

			MARCH 2001 LISTING OF NEW AND REVISED DECK QUESTIONS						
b o o k	n u m b e r	a n s w e r	QUESTION STEM	A	B	C	D		d i a g r a m
1	1	C	INLAND ONLY You are navigating in a narrow channel and must remain in the channel for safe operation. Another vessel is crossing the channel ahead of you from your starboard and you doubt whether your vessel will pass safely. Which statement is T	You must stop your vessel, since the other vessel is the stand-on.	You must sound one short blast of the whistle and turn to starboard.	You must sound the danger signal.	You must stop your engines and you may sound the danger signal.	1/8/01	
1	25	A	INLAND ONLY In a narrow channel, a power-driven vessel desiring to overtake another power-driven vessel on the other vessel's starboard side will sound a whistle signal of _____.	one short blast	two short blasts	two prolonged blasts followed by one short blast	two prolonged blasts followed by two short blasts	6/15/00	
1	79	C	INLAND ONLY On the Western Rivers, a power-driven vessel crossing a river must _____.	maintain course and speed as you have the right of way over all vessels	keep out of the way of any vessel descending the river	keep out of the way of a power-driven vessel ascending or descending the river	None of the above	10/3/00	
1	109	C	BOTH INTERNATIONAL & INLAND Vessel "A" is overtaking vessel "B" as shown. Vessel "B" is an air-cushion vessel operating in the nondisplacement mode. In addition to a steady white light which other light will vessel "A" observe on vessel "B"?"	Steady green light	Flashing red light	Flashing yellow light	Flashing white light	5/26/00	See illustration number DIAGRAM 17

1	187	C	BOTH INTERNATIONAL & INLAND You are in charge of a power-driven vessel making way in dense fog. You observe what appears to be another vessel on radar half a mile distant on your port bow and closing. You must _____.	sound the danger signal	exchange passing signals	sound one prolonged blast	sound one short, one prolonged, and one short blast	4/6/00	
1	195	C	BOTH INTERNATIONAL & INLAND At night, you see a vessel with only the lights shown. This would indicate a _____.	a vessel restricted in her ability to maneuver	fishing vessel underway	pilot vessel underway	vessel not under command	5/16/00	See illustration number DIAGRAM 78
1	217	A	BOTH INTERNATIONAL & INLAND Vessel "A" is overtaking vessel "B" as shown. Vessel "A" is the _____."	give-way vessel	stand-on vessel	overtaken vessel	None of the above	5/26/00	See illustration number DIAGRAM 17
1	229	B	BOTH INTERNATIONAL & INLAND Vessel "A" is overtaking vessel "B" as shown. Vessel "A" is the _____."	overtaken vessel	give-way vessel	stand-on vessel	None of the above	5/26/00	See illustration number DIAGRAM 17
1	230	A	BOTH INTERNATIONAL & INLAND Vessel "A" is overtaking vessel "B" as shown. Vessel "B" is the _____."	stand-on vessel	give-way vessel	burdened vessel	None of the above	5/19/00	See illustration number DIAGRAM 17

1	231	B	BOTH INTERNATIONAL & INLAND Vessel A" is overtaking vessel "B" as shown. Vessel "B" is the _____."	give-way vessel	overtaken vessel	passing vessel	None of the above	5/19/00	See illustration number DIAGRAM 17
1	232	C	BOTH INTERNATIONAL & INLAND Vessel A" is overtaking vessel "B" as shown. Vessel "B" _____."	should change course to the right	should slow down until vessel A" has passed"	should hold her course and speed	may steer various courses and vessel A" must keep clear"	5/26/00	See illustration number DIAGRAM 17
1	234	B	BOTH INTERNATIONAL & INLAND Vessel A" is overtaking vessel "B" as shown. Which color light will vessel "A" observe on vessel "B"?"	Green	White	Flashing red	Yellow over yellow	5/19/00	See illustration number DIAGRAM 17
1	235	B	INLAND ONLY Vessel A" is overtaking vessel "B" as shown and will pass without changing course. Vessel "A" should sound _____."	one short blast	two short blasts	one prolonged blast	no signal	5/19/00	See illustration number DIAGRAM 17
1	238	D	BOTH INTERNATIONAL & INLAND Vessels A" and "B" are meeting in a narrow channel as shown but are not in sight of one another due to restricted visibility. Which statement is TRUE concerning whistle signals between the vessels?"	Both vessels should sound two short blasts.	Both vessels should sound one short blast.	Vessel A" should sound one short blast and vessel "B" should sound two short blasts."	None of the above statements is TRUE.	5/19/00	See illustration number DIAGRAM 29

1	239	D	INLAND ONLY Vessels A" and "B" are meeting on a river as shown and will pass 1/4 mile apart. Which statement is TRUE?"	Both vessels should continue on course and pass without sounding any whistle signals.	The vessels must exchange two blast whistle signals and pass port to port.	The vessels must exchange one blast whistle signals and pass starboard to starboard	The vessels may reach agreement by radio telephone and sound no whistle signal.	5/26/00	See illustration number DIAGRAM 29
1	240	B	INTERNATIONAL & INLAND Vessel A" is overtaking vessel "B" as shown and will pass without changing course. Which light will vessel "A" observe on vessel "B"?"	yellow towing light	white sternlight	green sidelight	None of the above	5/26/00	See illustration number DIAGRAM 17
1	241	C	INLAND ONLY Vessels A" and "B" are meeting on a river as shown and will pass 1/4 mile apart. Which statement is TRUE?"	Whistle signals must be exchanged in all cases when passing within one half mile of each other.	The vessels should exchange two blast signals and pass port to port.	If a passing agreement is reached by radiotelephone, whistle signals are optional, and the vessels	The vessels should pass port to port and must sound whistle signals only if either vessel changes	5/26/00	See illustration number DIAGRAM 29
1	242	C	BOTH INTERNATIONAL & INLAND You are on Vessel A" engaged in fishing as shown in a narrow channel. Vessel "B" is a tanker proceeding in the channel. Vessel "B" sounds five short and rapid blasts. You feel it is not safe for vessel "B" to overtake you a	not answer the whistle signals from vessel B""	maintain course and speed	not impede the passage of vessel B""	sound one prolonged followed by two short blasts	5/19/00	See illustration number DIAGRAM 32
1	243	B	INTERNATIONAL ONLY You are on vessel A" as shown. Vessel "B" sounds two short blasts. You should _____."	sound two prolonged blasts followed by two short blasts	not answer the whistle signal from vessel B""	sound two short blasts and maintain course and speed	sound one prolonged, one short, one prolonged and one short blasts	5/19/00	See illustration number DIAGRAM 32

1	244	D	BOTH INTERNATIONAL & INLAND You are on a 15-meter vessel A" in a narrow channel as shown. Vessel "B", a large tanker which can safely navigate only within the channel, sounds five short and rapid blasts. You should _____."	sound one prolonged followed by two short blasts	not answer the whistle signal from vessel B""	maintain course and speed	not impede the passage of vessel B""	5/26/00	See illustration number DIAGRAM 32
1	245	C	INTERNATIONAL ONLY You are on vessel A" as shown. Vessel "B" sounds two short blasts. You should _____."	sound two prolonged blasts followed by two short blasts	sound two short blasts	maintain course and speed	None of the above	5/19/00	See illustration number DIAGRAM 32
1	246	A	INLAND ONLY You are on vessel A" as shown in a narrow channel. Vessel "B" sounds two short blasts. If you are in agreement you should _____."	sound two short blasts	sound two prolonged followed by two short blasts	not answer the whistle signals from vessel B""	None of the above	5/26/00	See illustration number DIAGRAM 32
1	247	A	INLAND ONLY You are on vessel I" and in sight of vessel "II" as shown. Vessel "II" sounds one short blast. If you agree, you should _____."	sound one short blast and hold course and speed	hold course and speed and sound no signal	sound one short blast and slow down or turn to starboard	sound the danger signal and slow to moderate speed	5/26/00	See illustration number DIAGRAM 36
1	248	B	BOTH INTERNATIONAL & INLAND Vessels I" and "II" are power-driven vessels. You are on vessel "I" as shown. You are the _____."	give-way vessel	stand-on vessel	overtaking vessel	None of the above	5/26/00	See illustration number DIAGRAM 36

1	249	D	INLAND ONLY You are on a power-driven vessel I" as shown. Vessel "II" is a vessel engaged in fishing within 1/2 a mile of your vessel. Which action should you take?"	Hold course and speed without giving a signal.	Sound the danger signal and slow to moderate speed.	Sound one short blast, slowdown and turn to starboard.	Sound one short blast and await response from the fishing vessel.	5/19/00	See illustration number DIAGRAM 36
1	250	B	INLAND ONLY You are on a power-driven vessel I" as shown. Vessel "II" is a vessel engaged in fishing within 1/2 a mile of your vessel. You sound one short blast on the whistle. Vessel "II" does not sound any signal. Which action should you take?"	Hold course and speed without giving a signal.	Sound the danger signal and slow to moderate speed.	Sound one short blast, slowdown and turn to starboard.	Sound two short blasts and change course to port.	5/19/00	See illustration number DIAGRAM 36
1	252	A	INTERNATIONAL ONLY Vessels A" and "B" are meeting on a river as shown and will pass 1/4 mile apart. Which action should the vessels take?"	The vessels should continue on course and pass without sounding any whistle signals.	The vessels should exchange two blast whistle signals and pass starboard to starboard.	The vessels should exchange one blast whistle signals and pass starboard to starboard	The vessel with the tow should initiate the whistle signals.	5/25/00	See illustration number DIAGRAM 41
1	253	D	INLAND ONLY Vessels A" and "B" are meeting on a river as shown and will pass 1/4 mile apart. Which light(s) on vessel "B" will you see if you are on vessel "A"?"	special flashing light	two white masthead lights in a vertical line	green sidelight	All of the above	5/25/00	See illustration number DIAGRAM 41
1	254	C	INLAND ONLY Vessels A" and "B" are meeting on a river as shown and will pass 1/4 mile apart. Which is one of the lights on vessel "B" that you will see if you are on vessel "A"?"	red sidelight	yellow towing light	special flashing light	All of the above	5/25/00	See illustration number DIAGRAM 41

1	255	D	INTERNATIONAL ONLY Vessels A" and "B" are meeting on a river as shown and will pass 1/4 mile apart. Which light on vessel "B" will you see if you are on vessel "A"?"	special flashing yellow light	flashing blue light	two yellow towing lights	None of the above	5/25/00	See illustration number DIAGRAM 41
1	256	B	INTERNATIONAL ONLY Vessels A" and "B" are meeting on a river as shown and will pass 1/4 mile apart. Which light(s) on vessel "B" will you see if you are on vessel "A"?"	special flashing yellow light	two white masthead lights in a vertical line	two yellow towing lights	None of the above	5/25/00	See illustration number DIAGRAM 41
1	258	B	INLAND ONLY Vessels A" and "B" are meeting on a river as shown and will pass 1/4 mile apart. Which statement is TRUE?"	Whistle signals must be exchanged in all situations when passing within one half mile.	If a passing agreement is reached by radiotelephone, whistle signals are optional.	If a passing agreement is reached by radiotelephone, whistle signals are still required.	None of the above	5/25/00	See illustration number DIAGRAM 41
1	264	A	INTERNATIONAL ONLY Two power-driven vessels are meeting in the situation as shown. One short blast from either vessel means _____.	I am altering my course to starboard.""	I intend to leave you on my port side.""	I intend to hold course and speed.""	I am altering my course to port.""	5/19/00	See illustration number DIAGRAM 37
1	265	C	INTERNATIONAL ONLY You are on a power-driven vessel I" as shown. Vessel "II" is a vessel engaged in fishing. Which action should you take?"	Hold course and speed without giving a signal.	Sound the danger signal and slow to moderate speed.	Sound one short blast, slowdown and turn to starboard.	Sound one short blast and hold course and speed.	5/19/00	See illustration number DIAGRAM 36

1	266	D	INLAND ONLY Two power-driven vessels are meeting in a narrow channel on the Great Lakes as shown. Vessel A" is downbound with a following current. Vessel "B" shall _____."	propose the manner of passage	have the right of way	initiate the maneuvering signals	None of the above	5/19/00	See illustration number DIAGRAM 37
1	267	C	INTERNATIONAL ONLY Two power-driven vessels are meeting in the situation as shown. Two short blasts from either vessel means _____.	I am altering my course to starboard.""	I intend to leave you on my port side.""	I am altering my course to port.""	I am operating astern propulsion.""	5/19/00	See illustration number DIAGRAM 37
1	268	A	INLAND ONLY Two power-driven vessels are meeting in the situation as shown and will pass within 1/2 mile of each other. Two short blasts from either vessel means _____.	I intend to leave you on my starboard side.""	I intend to leave you on my port side.""	I am altering my course to port.""	I am altering my course to starboard.""	5/25/00	See illustration number DIAGRAM 37
1	269	D	INLAND ONLY Two power-driven vessels are meeting in a narrow channel on the Great Lakes as shown. Vessel A" is downbound with a following current. Vessel "A" shall _____."	propose the manner of passage	have the right of way	initiate the maneuvering signals	All of the above	5/19/00	See illustration number DIAGRAM 37
1	270	B	INLAND ONLY Two power-driven vessels are meeting in a narrow channel as shown. Which statement is TRUE?	Whistle signals must be exchanged in all situations when passing within one half mile of each other.	If agreement is reached by radiotelephone whistle signals are optional.	If agreement is reached by radiotelephone whistle signals must still be exchanged.	None of the above	5/19/00	See illustration number DIAGRAM 37

1	271	A	INLAND ONLY Two power-driven vessels are meeting in the situation as shown in a narrow channel on the Great Lakes. Vessel A" is downbound with a following current. Vessel "B" should _____."	hold as necessary to permit safe passage	have the right of way	initiate the maneuvering signals	None of the above	5/19/00	See illustration number DIAGRAM 37
1	272	B	BOTH INTERNATIONAL & INLAND Two vessels are meeting as shown in a narrow channel. Vessel A" is a sailing vessel. Vessel "B" is a power-driven vessel which can safely navigate only within the channel. Vessel "B" sounds the danger signal. Vessel "A" sh	maintain course and speed	not impede the passage of vessel B""	sound one prolonged followed by two short blasts	have the right of way	5/19/00	See illustration number DIAGRAM 37
1	273	D	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing, you should _____.	wait until the vessel ahead crosses your bow	stop until the red lights turn green	proceed leaving all the lights on your starboard side	pass between the two sets of vertical red lights	5/19/00	See illustration number DIAGRAM 81
1	274	C	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing, you should _____.	wait until the vessel ahead crosses your bow	stop until the red lights turn green	pass between the two sets of vertical red lights	proceed leaving all the lights on your starboard side	5/19/00	See illustration number DIAGRAM 81
1	275	B	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing, you should _____.	wait until the vessel ahead crosses your bow	pass between the two sets of vertical red lights	stop until the red lights turn green	proceed leaving all the lights on your starboard side	5/19/00	See illustration number DIAGRAM 81

1	276	A	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing, you should _____.	pass between the two sets of vertical red lights	wait until the vessel ahead crosses your bow	stop until the red lights turn green	proceed leaving all the lights on your starboard side	5/19/00	See illustration number DIAGRAM 81
1	277	A	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed should be _____.	visible at night and during periods of restricted visibility	visible for at least one mile	more than 50 meters apart	flashing at intervals of 120 flashes per minute	5/19/00	See illustration number DIAGRAM 81
1	278	C	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed should be _____.	visible for at least one mile	more than 50 meters apart	visible at night and during periods of restricted visibility	flashing at intervals of 120 flashes per minute	5/19/00	See illustration number DIAGRAM 81
1	279	B	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed should be _____.	visible for at least one mile	visible at night and during periods of restricted visibility	more than 50 meters apart	flashing at intervals of 120 flashes per minute	5/19/00	See illustration number DIAGRAM 81
1	280	D	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed should be _____.	visible for at least one mile	flashing at intervals of 120 flashes per minute	more than 50 meters apart	visible at night and during periods of restricted visibility	5/19/00	See illustration number DIAGRAM 81

1	282	B	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed are from a _____.	vessel not under command	dredge pipeling	vessel aground	vessel not under command	5/19/00	See illustration number DIAGRAM 81
1	283	C	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed are from a _____.	seaplane	minesweeper	dredge pipeline	vessel not under command	5/19/00	See illustration number DIAGRAM 81
1	284	D	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed are from a _____.	vessel aground	mine clearance vessel	vessel not under command	dredge pipeline	1/11/01	See illustration number DIAGRAM 81
1	286	D	BOTH INTERNATIONAL & INLAND The vessel shown is a _____.	power-driven vessel	sailing vessel	power-driven vessel pushing ahead	Power-driven vessel towing astern	5/19/00	See illustration number DIAGRAM 24
1	287	D	BOTH INTERNATIONAL & INLAND The vessel shown is a _____.	dredge	sailing vessel	power-driven vessel pushing ahead	None of the above	5/19/00	See illustration number DIAGRAM 24

1	288	A	BOTH INTERNATIONAL & INLAND The tow shown is less than 200 meters in length and severely restricted in her ability to deviate from her course. Which dayshape(s) would be displayed by day from the vessel(s)?	ball-diamond-ball on the towing vessel	diamond on the towing vessel	diamond on the last barge	All of the above	5/26/00	See illustration number DIAGRAM 24
1	289	A	BOTH INTERNATIONAL & INLAND The tow shown is less than 200 meters in length and severely restricted in her ability to deviate from her course. Which dayshape(s) would be displayed by day from the vessel?	ball-diamond-ball on the towing vessel	diamond on the towing vessel	diamond on the last barge	None of the above	5/26/00	See illustration number DIAGRAM 24
1	292	D	BOTH INTERNATIONAL & INLAND The tug shown is greater than 50 meters and severely restricted in her ability to deviate from her course. Which lights would be displayed from the towing vessel?	Two white masthead lights, red-white-red all round lights, sidelights, stern light and a towing light	Three white masthead lights, red-white-red all round lights, sidelights and two towing lights	Three white masthead lights, two all round red lights, sidelights, stern light and a towing light	None of the above	5/26/00	See illustration number DIAGRAM 24
1	293	A	BOTH INTERNATIONAL & INLAND A vessel displaying the lights below is a _____.	a vessel towing astern	sailing vessel	a vessel not under command	a submarine on the surface	5/19/00	See illustration number DIAGRAM 48
1	294	D	BOTH INTERNATIONAL & INLAND A vessel displaying the lights below is a _____.	a submarine on the surface	sailing vessel	a vessel not under command	None of the above	5/19/00	See illustration number DIAGRAM 48

1	295	B	BOTH INTERNATIONAL & INLAND A vessel displaying the lights below is a _____.	submarine on the surface	vessel towing astern	vessel restricted in her ability to maneuver	vessel not under command	5/19/00	See illustration number DIAGRAM 48
1	296	C	BOTH INTERNATIONAL & INLAND A vessel displaying the lights below is a _____.	submarine on the surface	vessel constrained by her draft	vessel towing astern	vessel not under command	5/19/00	See illustration number DIAGRAM 48
1	297	A	BOTH INTERNATIONAL & INLAND A vessel displaying the lights below is a _____.	vessel towing astern	vessel constrained by her draft	vessel in the nondisplacement mode	vessel not under command	5/19/00	See illustration number DIAGRAM 48
1	298	D	BOTH INTERNATIONAL & INLAND A vessel displaying the lights shown is a(n) _____.	vessel constrained by her draft	law enforcement vessel	vessel not under command	vessel towing astern	5/19/00	See illustration number DIAGRAM 79
1	299	A	BOTH INTERNATIONAL & INLAND A vessel displaying the lights shown is a(n) _____.	vessel towing astern	vessel restricted in her ability to maneuver	vessel not under command	vessel aground	5/19/00	See illustration number DIAGRAM 79

1	300	B	BOTH INTERNATIONAL & INLAND A vessel displaying the lights shown is a(n) _____.	sailing vessel	vessel towing astern	vessel engaged in fishing	vessel dredging	5/19/00	See illustration number DIAGRAM 79
1	301	D	BOTH INTERNATIONAL & INLAND A vessel displaying the lights shown is a vessel _____.	engaged in submarine operations	dredging	engaged in fishing	towing astern	5/19/00	See illustration number DIAGRAM 79
1	302	D	BOTH INTERNATIONAL & INLAND A vessel displaying the lights shown is a vessel _____.	engaged in fishing	dredging	engaged in launching or recovery of aircraft	towing astern	5/19/00	See illustration number DIAGRAM 79
1	303	C	BOTH INTERNATIONAL & INLAND A vessel displaying ONLY the light shown could be a vessel _____.	not under command	engaged in fishing	under oars	towing	5/19/00	See illustration number DIAGRAM 80
1	304	B	BOTH INTERNATIONAL & INLAND A vessel displaying ONLY the light shown could be a vessel _____.	not under command	under oars	engaged in fishing	towing	5/19/00	See illustration number DIAGRAM 80

1	305	A	BOTH INTERNATIONAL & INLAND A vessel displaying ONLY the light shown could be a vessel _____.	under oars	on pilotage duty	engaged in fishing	towing	5/19/00	See illustration number DIAGRAM 80
1	306	D	BOTH INTERNATIONAL & INLAND A vessel displaying ONLY the light shown could be a vessel _____.	law enforcement vessel	vessel on pilotage duty	engaged in fishing	sailing vessel	5/19/00	See illustration number DIAGRAM 80
1	307	A	BOTH INTERNATIONAL & INLAND A vessel displaying ONLY the light shown could be a vessel _____.	sailing vessel	vessel on pilotage duty	engaged in fishing	power-driven vessel	5/19/00	See illustration number DIAGRAM 80
1	308	C	BOTH INTERNATIONAL & INLAND A vessel displaying ONLY the light shown could be a vessel _____.	law enforcement vessel	vessel on pilotage duty	sailing vessel	power-driven vessel	5/19/00	See illustration number DIAGRAM 80
1	309	B	BOTH INTERNATIONAL & INLAND A vessel displaying ONLY the light shown could be a vessel _____.	law enforcement vessel	sailing vessel	vessel engaged in trawling	power-driven vessel	5/19/00	See illustration number DIAGRAM 80

1	310	D	BOTH INTERNATIONAL & INLAND A vessel displaying ONLY the light shown could be a _____.	vessel aground	submarine on the surface	vessel engaged in trawling	vessel under oars	5/19/00	See illustration number DIAGRAM 80
1	311	D	INLAND ONLY Identify the operation indicated by the lights exhibited as shown.	Aircraft carrier engaged in the launching and recovery of aircraft	A submarine engaged in underway replenishment	A vessel aground assisted by tugs	None of the above	5/19/00	See illustration number DIAGRAM 85
1	312	C	INLAND ONLY You see the lights shown while proceeding in a channel. What should you do?	Proceed at full speed through the two sets of double red lights.	Stop the vessel and await the red lights to change to green.	Slow down and pass between the two sets of double red lights.	None of the above	5/19/00	See illustration number DIAGRAM 85
1	313	A	INLAND ONLY You see the lights shown while proceeding in a channel. Where should you pass?	A	B	C	D	5/19/00	See illustration number DIAGRAM 85
1	314	C	INLAND ONLY Identify the operation indicated by the lights shown.	An aircraft carrier engaged in the launching and recovery of aircraft	A submarine engaged in underway replenishment at sea	A dredge engaged in dredging operations	A vessel aground assisted by tugs	5/19/00	See illustration number DIAGRAM 85

1	315	A	BOTH INTERNATIONAL & INLAND At night a vessel displaying the lights as shown is _____.	fishing	sailing	a pilot boat	anchored	5/19/00	See illustration number DIAGRAM 82
1	316	C	BOTH INTERNATIONAL & INLAND At night a vessel displaying the lights as shown is _____.	a pilot boat	sailing	fishing	anchored	5/19/00	See illustration number DIAGRAM 82
1	317	D	BOTH INTERNATIONAL & INLAND At night a vessel displaying the lights as shown is _____.	a pilot boat	sailing	anchored	fishing	5/19/00	See illustration number DIAGRAM 82
1	318	A	BOTH INTERNATIONAL & INLAND Which dayshape(s) would be displayed by the vessel engaged in the operation indicated by the lights shown.	two cones with apexes together	a ball, a diamond and another ball	a cylinder	a diamond	5/19/00	See illustration number DIAGRAM 82
1	319	B	BOTH INTERNATIONAL & INLAND Which dayshape(s) would be displayed by the vessel engaged in the operation indicated by the lights shown.	a cylinder	two cones with apexes together	a ball, a diamond and another ball	a diamond	5/19/00	See illustration number DIAGRAM 82

1	320	C	BOTH INTERNATIONAL & INLAND Which dayshape(s) would be displayed by the vessel engaged in the operation indicated by the lights shown.	a cylinder	a ball, a diamond and another ball	two cones with apexes together	a diamond	5/19/00	See illustration number DIAGRAM 82
1	321	D	BOTH INTERNATIONAL & INLAND Which dayshape(s) would be displayed by the vessel engaged in the operation indicated by the lights shown.	a cylinder	a diamond	a ball, a diamond and another ball	two cones with apexes together	5/19/00	See illustration number DIAGRAM 82
1	322	A	BOTH INTERNATIONAL & INLAND The vessel whose lights are shown is navigating in a narrow channel. Which statement about this vessel is TRUE?	It shall not impede the passage of any other vessel navigating within the channel or fairway.	It is the stand-on vessel	It may anchor in the channel or fairway	It shows two balls	5/19/00	See illustration number DIAGRAM 82
1	323	A	BOTH INTERNATIONAL & INLAND Which diagram shows the arc of visibility of a red sidelight?	A	B	C	D	5/19/00	See illustration number DIAGRAM 23
1	324	B	BOTH INTERNATIONAL & INLAND Which diagram shows the arc of visibility of a green sidelight?	A	B	C	D	5/19/00	See illustration number DIAGRAM 23

1	325	C	BOTH INTERNATIONAL & INLAND Diagram B" shows the arc of visibility of a _____."	white masthead light	red sidelight	green sidelight	stern light	5/19/00	See illustration number DIAGRAM 23
1	326	B	BOTH INTERNATIONAL & INLAND Diagram A" shows the arc of visibility of a _____."	white masthead light	red sidelight	green sidelight	stern light	5/19/00	See illustration number DIAGRAM 23
1	327	C	BOTH INTERNATIONAL & INLAND Diagram A" shows the arc of visibility of a _____."	white masthead light	green sidelight	red sidelight	stern light	5/19/00	See illustration number DIAGRAM 23
1	328	D	BOTH INTERNATIONAL & INLAND Diagram D" shows the arc of visibility of a _____."	white masthead light	green sidelight	stern light	None of the above	5/19/00	See illustration number DIAGRAM 23
1	329	D	BOTH INTERNATIONAL & INLAND Diagram C" shows the arc of visibility of a _____."	white masthead light	red sidelight	stern light	None of the above	5/19/00	See illustration number DIAGRAM 23

1	330	B	BOTH INTERNATIONAL & INLAND Diagram B" shows the arc of visibility of a _____."	white masthead light	green sidelight	red sidelight	stern light	5/19/00	See illustration number DIAGRAM 23
1	331	D	BOTH INTERNATIONAL & INLAND Diagram A" shows the arc of visibility of a _____."	yellow flashing light	green sidelight	masthead light	None of the above	5/19/00	See illustration number DIAGRAM 23
1	332	A	BOTH INTERNATIONAL & INLAND Diagram A" shows the arc of visibility of a _____."	red sidelight	green sidelight	masthead light	stern light	5/19/00	See illustration number DIAGRAM 23
1	333	C	BOTH INTERNATIONAL & INLAND Diagram B" shows the arc of visibility of a _____."	yellow flashing light	red sidelight	green sidelight	stern light	5/19/00	See illustration number DIAGRAM 23
1	334	B	BOTH INTERNATIONAL & INLAND Diagram A" shows the arc of visibility of a _____."	yellow flashing light	red sidelight	green sidelight	stern light	5/19/00	See illustration number DIAGRAM 23

1	335	D	BOTH INTERNATIONAL & INLAND Diagram C" shows the arc of visibility of a _____."	yellow flashing light	red sidelight	green sidelight	None of the above	5/19/00	See illustration number DIAGRAM 23
1	336	C	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. Vessel "B" should _____."	maintain course and speed without sounding any signals	alter course to the right or slowdown	sound one short blast and maintain course and speed	sound the danger signal and slow to moderate speed	5/19/00	See illustration number DIAGRAM 42
1	337	A	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. Vessel "B" should sound _____."	one short blast	two short blasts	two prolonged blasts followed by two short blasts	three short blasts	5/19/00	See illustration number DIAGRAM 42
1	338	B	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. Vessel "B" should sound _____."	one prolonged, one short, one prolonged and one short blasts	one short blast	two prolonged blasts followed by one short blast	two short blasts	5/19/00	See illustration number DIAGRAM 42
1	339	C	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. Vessel "B" should sound _____."	one prolonged, one short, one prolonged and one short blasts	two short blasts	one short blast	None of the above	5/19/00	See illustration number DIAGRAM 42

1	340	D	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. Vessel "B" should sound _____."	one prolonged, one short, one prolonged and one short blasts	one prolonged blast	two short blasts	None of the above	5/19/00	See illustration number DIAGRAM 42
1	341	A	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. This signal means _____."	I intend to leave you on my port side""	I intend to overtake you on your port side""	I am altering my course to starboard""	None of the above	5/19/00	See illustration number DIAGRAM 42
1	342	D	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. This signal means _____."	I intend to leave you on my starboard side""	I intend to overtake you on your port side""	I am altering my course to starboard""	None of the above	5/19/00	See illustration number DIAGRAM 42
1	343	B	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. This signal means _____."	I intend to leave you on my starboard side""	I intend to leave you on my port side""	I am altering my course to starboard""	None of the above	5/19/00	See illustration number DIAGRAM 42
1	345	C	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. This signal means _____."	I intend to overtake you on my starboard side""	I am operating astern propulsion""	I intend to leave you on my port side""	None of the above	5/19/00	See illustration number DIAGRAM 42

1	346	D	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. This signal means _____."	I intend to overtake you on my port side""	I am operating astern propulsion""	I intend to leave you on my starboard side""	None of the above	5/19/00	See illustration number DIAGRAM 42
1	347	D	INTERNATIONAL ONLY Two power-driven vessels are crossing within one half mile of each other as shown. Vessel A" sounds one short blast of the whistle. Vessel "B" should _____."	sound the danger signal and slow to moderate speed	alter course to the right or slowdown	sound one short blast and maintain course and speed	None of the above	5/19/00	See illustration number DIAGRAM 42
1	349	D	INTERNATIONAL ONLY Two power-driven vessels are crossing within one half mile of each other as shown. Vessel A" sounds one short blast of the whistle. Vessel "B" should sound _____."	one prolonged, one short, one prolonged and one short blasts	one short blast	two short blasts	None of the above	5/19/00	See illustration number DIAGRAM 42
1	350	D	INTERNATIONAL ONLY Two power-driven vessels are crossing within one half mile of each other as shown. Vessel A" sounds one short blast of the whistle. Vessel "B" should sound _____."	one prolonged, one short, one prolonged and one short blasts	one prolonged blast	two short blasts	None of the above	5/19/00	See illustration number DIAGRAM 42
1	351	A	INTERNATIONAL ONLY Two power-driven vessels are crossing within one half mile of each other as shown. Vessel A" sounds one short blast of the whistle. This signal means _____."	I am altering my course to starboard""	I am operating astern propulsion""	I am altering my course to port""	None of the above	5/19/00	See illustration number DIAGRAM 42

1	354	B	INTERNATIONAL ONLY Two power-driven vessels are crossing within one half mile of each other as shown. Vessel A" sounds one short blast of the whistle. This signal means _____."	I intend to leave you on your starboard side""	I am altering my course to starboard""	I am altering my course to port""	None of the above	5/19/00	See illustration number DIAGRAM 42
1	355	A	INTERNATIONAL ONLY Two power-driven vessels are crossing within one half mile of each other as shown. Vessel A" sounds one short blast of the whistle. This signal means _____."	I am altering my course to starboard""	I intend to leave you on my port side""	I am altering my course to port""	None of the above	5/19/00	See illustration number DIAGRAM 42
1	356	C	INTERNATIONAL ONLY Two power-driven vessels are crossing within one half mile of each other as shown. Vessel A" sounds one short blast of the whistle. This signal means _____."	I am intend to leave you on my port side""	I intend to overtake you on your port side""	I am altering my course to starboard""	None of the above	5/19/00	See illustration number DIAGRAM 42
1	357	D	INTERNATIONAL ONLY Two power-driven vessels are crossing within one half mile of each other as shown. Vessel A" sounds one short blast of the whistle. This signal means _____."	I am intend to leave you on my starboard side""	I intend to overtake you on your port side""	I am altering my course to port""	None of the above	5/19/00	See illustration number DIAGRAM 42
1	359	D	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds one short blast on the whistle. You are on vessel "B" and doubt that sufficient action is being taken by vessel "A" to avoid collision. You should _____	maintain course and speed	alter course to the left and increase speed	sound one short blast and maintain course and speed	None of the above	5/19/00	See illustration number DIAGRAM 42

1	360	D	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds one short blast on the whistle. You are on vessel "B" and doubt that sufficient action is being taken by vessel "A" to avoid collision. You should _____	maintain course and speed	alter course to the right or slow down	sound one short blast and maintain course and speed	sound at least five short and rapid blasts	5/19/00	See illustration number DIAGRAM 42
1	361	C	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds two short blasts on the whistle. You are on vessel "B" and are in doubt that sufficient action is being taken by vessel "A" to avoid collision. You should ____	maintain course and speed	alter course to the left and increase speed	sound five or more short and rapid blasts	None of the above	5/19/00	See illustration number DIAGRAM 42
1	362	D	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds two short blasts on the whistle. You are on vessel "B" and are in doubt that sufficient action is being taken by vessel "A" to avoid collision. You should ____	maintain course and speed	alter course to the right or slow down	sound one short blast and maintain course and speed	sound five or more short and rapid blasts	5/19/00	See illustration number DIAGRAM 42
1	363	D	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds one short blast on the whistle. Vessel "B" is the _____."	burdened vessel	give-way vessel	overtaking vessel	None of the above	1/9/01	See illustration number DIAGRAM 42
1	364	C	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds one short blast on the whistle. Vessel "B" is the _____."	burdened vessel	give-way vessel	stand-on vessel	overtaking vessel	1/9/01	See illustration number DIAGRAM 42

1	365	A	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds one short blast on the whistle. Vessel "B" is the _____."	stand-on	give-way vessel	overtaking vessel	None of the above	1/9/01	See illustration number DIAGRAM 42
1	366	B	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds one short blast on the whistle. Vessel "B" is the _____."	give-way vessel	stand-on vessel	overtaking vessel	burdened vessel	1/9/01	See illustration number DIAGRAM 42
1	367	A	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds one short blast on the whistle. Vessel "A" is _____."	give-way vessel	stand-on vessel	overtaking vessel	None of the above	5/19/00	See illustration number DIAGRAM 42
1	368	B	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds one short blast on the whistle. Vessel "A" is the _____."	stand-on vessel	give-way vessel	overtaking vessel	None of the above	5/26/00	See illustration number DIAGRAM 42
1	369	C	BOTH INTERNATIONAL & INLAND Two power-driven vessels are crossing as shown. Vessel A" sounds one short blast on the whistle. Vessel "A" is the _____."	stand-on vessel	overtaking vessel	give-way vessel	None of the above	5/26/00	See illustration number DIAGRAM 42

1	370	D	INLAND ONLY If a towing vessel and her tow are severely restricted in their ability to deviate from their course, they may show lights in addition to their towing identification lights. These additional lights may be shown if the tow is _____	pushed ahead	towed alongside	towed astern	Any of the above	4/12/00	
1	371	C	INTERNATIONAL ONLY If a towing vessel and her tow are severely restricted in their ability to deviate from their course, they may show lights in addition to their towing identification lights. These additional lights may be shown if the tow is –	pushed ahead	towed alongside	towed astern	Any of the above	4/12/00	
1	372	D	INLAND ONLY You are on vessel "A" as shown and hear vessel "B" sound a signal indicating his intentions to overtake you. You feel it is not safe for vessel "B" to overtake you at the present time. You should _____."	sound two short blasts	sound one prolonged followed by three short blasts	not answer the whistle signal from vessel B""	None of the above	5/19/00	See illustration number DIAGRAM 32
1	374	C	INLAND ONLY Vessels A" and "B" are meeting on a river as shown and will pass 1/4 mile apart. Which statement is TRUE?"	Whistle signals must be exchanged in all situations when passing within one half mile.	The vessels should exchange two blast whistle signals and pass port to port.	If a passing agreement is reached by radiotelephone whistle signals are optional.	The vessels should pass port to port and must sound whistle signals only if either vessel changes	5/26/00	See illustration number DIAGRAM 29
1	375	C	BOTH INTERNATIONAL & INLAND The tug shown is made up of inconspicuous, partly submerged vessels and is 150 meters in length. The towed vessels are less than 25 meters in breadth and less than 100 meters in length. Which lights would be displayed from t	Sidelights and stern light on each vessel towed	One all round white light at the after end of each vessel towed	One all round white light at or near each end of each vessel towed	One all round white light at each end and one all round white light at the extremities of its breadth of	5/26/00	See illustration number DIAGRAM 24

1	376	A	BOTH INTERNATIONAL & INLAND Which vessel must show forward and after masthead lights when making way?	A 75-meter vessel restricted in her ability to maneuver	A 100-meter sailing vessel	A 150-meter vessel engaged in fishing	A 45-meter vessel engaged in towing	6/26/00	
1	377	B	BOTH INTERNATIONAL & INLAND You are on a vessel heading due north and see the lights shown one point on your port bow. This vessel could be heading _____.	NW	SE	SW	NW	7/20/00	See illustration number DIAGRAM 51
1	378	B	INLAND ONLY Two power-driven vessels are crossing within a half a mile of each other as shown. Vessel A" sounds one short blast on the whistle. This signal means _____."	I am altering my course to starboard""	I intend to leave you on my port side""	I intend to overtake you on your port side""	I am operating astern propulsion""	1/9/01	See illustration number DIAGRAM 42
1	379	A	BOTH INTERNATIONAL & INLAND A seagoing tug has a tow greater than 200 meters as shown and is severely restricted in her ability to deviate from her course. Which lights would be displayed from the towing vessel?	Three white masthead lights, red-white-red all-round lights, sidelights, stern light and a towing light	Three white masthead lights, red-white-red all-round lights, sidelights and two towing lights	Three white masthead lights, two all-round red lights, sidelights, stern light and a towing light	None of the above	1/9/01	See illustration number DIAGRAM 24
1	380	A	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed are from a _____.	dredge pipeline	mine clearance vessel	vessel aground	vessel not under command	1/9/01	See illustration number DIAGRAM 81

1	381	C	BOTH INTERNATIONAL & INLAND The lead vessel shown is a _____.	power-driven vessel	sailing vessel	power-driven vessel towing astern	None of the above	1/9/01	See illustration number DIAGRAM 24
1	382	D	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed are from a _____.	vessel aground	mine clearance vessel	vessel not under command	dredge pipeline	1/9/01	See illustration number DIAGRAM 81
1	4072	A	BOTH INTERNATIONAL & INLAND A 30-meter tug is underway and NOT towing. At night, this vessel must show sidelights and _____.	one masthead light and a sternlight	two masthead lights and a sternlight	three masthead lights and a sternlight	a sternlight ONLY	3/8/01	
1	4261	D	BOTH INTERNATIONAL & INLAND What light(s), if any, would you show at night if your vessel was broken down and being towed astern by another vessel?	None	Same lights as for a power-driven vessel underway	A white light forward and a white light aft	The colored sidelights and a white sternlight	2/8/01	
1	4400	C	BOTH INTERNATIONAL & INLAND When action to avoid a close quarters situation is taken, a course change alone may be the most effective action provided that _____.	it is done in a succession of small course changes	it is NOT done too early	it is a large course change	the course change is to starboard	4/11/00	

1	4409	C	BOTH INTERNATIONAL & INLAND A vessel or object being towed astern shall display a(n) _____.	forward masthead light	after masthead light	sternlight	All of the above	2/8/01	
1	4415	C	BOTH INTERNATIONAL & INLAND Which signal may be used by a vessel that is in doubt as to whether sufficient action is being taken by another vessel to avoid collision?	A continuous sounding of the fog horn	Firing a gun every minute	Five or more short rapid blasts on the whistle	One prolonged blast on the whistle	9/18/00	
1	4417	D	BOTH INTERNATIONAL & INLAND What describes a head-on situation?	Seeing a vessel displaying both sidelights ONLY dead ahead	Seeing two forward white towing identification lights in a vertical line on a towing vessel	Seeing both sidelights of a vessel directly off your starboard beam	Seeing both sidelights and masthead light(s) of a vessel dead ahead	2/1/01	
1	4460	A	BOTH INTERNATIONAL & INLAND Of the vessels listed, which must keep out of the way of all the others?	A sailing vessel	A vessel restricted in her ability to maneuver	A vessel not under command	A vessel engaged in fishing	8/14/00	
1	4570	D	BOTH INTERNATIONAL & INLAND Which signal may at some time be exhibited by a vessel trawling?	Two white lights in a vertical line	A white light over a red light in a vertical line	Two red lights in a vertical line	All of the above	3/9/01	

1	4577	D	BOTH INTERNATIONAL & INLAND Which statement about the Navigation Rules is TRUE?	The rules require vessels to comply with Traffic Separation Scheme regulations.	The rules use the term safe speed.""	The Rules permit a stand-on vessel to take action prior to being in extremis.	All of the above are correct.	2/8/01	
1	4603	A	BOTH INTERNATIONAL & INLAND In addition to sidelights what light should a vessel being towed astern show?	A sternlight	A masthead light	Not under command lights	Range lights	2/8/01	
1	4641	A	BOTH INTERNATIONAL & INLAND Which vessel must exhibit forward and after white masthead lights when making way?	A 75-meter vessel restricted in her ability to maneuver	A 100-meter sailing vessel	A 150-meter vessel engaged in fishing	A 45-meter vessel engaged in towing	6/30/00	
1	4686	A	BOTH INTERNATIONAL & INLAND If underway in low visibility and sounding fog signals, what changes would you make in the fog signal IMMEDIATELY upon losing the power plant and propulsion?	Begin sounding one prolonged blast followed by two short blasts at two-minute intervals.	Begin sounding one prolonged blast followed by three short blasts at two-minute intervals.	Begin sounding two prolonged blasts at two-minute intervals.	No change should be made in the fog signal.	2/1/01	
1	4735	B	BOTH INTERNATIONAL & INLAND One of the signals, other than a distress signal, that can be used by a vessel to attract attention is a(n) _____.	red star shell	searchlight	burning barrel	orange smoke signal	7/24/00	

1	6540	D	BOTH INTERNATIONAL & INLAND A vessel may enter a traffic separation zone _____.	in an emergency	to engage in fishing within the zone	to cross the traffic separation scheme	All of the above	3/8/01	
1	8023	A	BOTH INTERNATIONAL & INLAND A fishing vessel is approaching a vessel not under command. Which statement is TRUE?	The fishing vessel must keep clear of the vessel not under command.	If the vessel not under command is a power-driven vessel, she must keep clear of the fishing vessel.	They must exchange whistle signals.	Both vessels are required to take action to stay clear of each other.	3/8/01	
1	8090	D	BOTH INTERNATIONAL & INLAND A towing light is _____.	shown below the sternlight	white in color	displayed at the masthead	a yellow light having the same characteristics as the stern light	3/8/01	
2	11	B	A person is found operating a vessel while intoxicated. For a first offense, he is liable for _____.	imprisonment for up to one year	a fine of up to \$5,000	seizure of their vessel and forfeiture of the title	a civil penalty of not more than \$1,000	8/18/00	
2	27	A	Under title 46 of the United States Code, the person in charge of a documented vessel who fails to report a complaint of a sexual offense may be _____.	fined up to \$5,000	imprisoned for up to one year	charged with accessory to sexual assault	All of the above	7/3/00	

2	35	A	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated ROUTINE will be delivered within _____.	3 hours to start of business the following day	1 to 6 hours	30 minutes to 1 hour	10 minutes if possible	6/21/00	
2	47	A	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message warning of a hurricane. Which precedence would you assign this message?	O (IMMEDIATE)	P (PRIORITY)	R (ROUTINE)	Z (FLASH)	6/21/00	
2	51	C	You are the licensed Master of a 100 GT towing vessel sailing coastwise. What percentage of the deck crew must be able to understand any order spoken by the officers?	50%	65%	75%	100%	10/4/00	
2	57	B	Under title 46 of the United States Code, the person in charge of a documented vessel who fails to report a complaint of a sexual offense may be _____.	charged with accessory to sexual assault	fined up to \$5,000	imprisoned for up to one year	All of the above	7/3/00	
2	59	B	Combustible liquid is defined as any liquid having a flash point above _____.	40ø F ( 4ø C)	80ø F (27ø C)	110ø F (43ø C)	150ø F (66ø C)	5/24/00	

2	65	C	Under title 46 of the United States Code, the person in charge of a documented vessel who fails to report a complaint of a sexual offense may be _____.	charged with accessory to sexual assault	imprisoned for up to one year	fined up to \$5,000	All of the above	7/3/00	
2	71	D	You are the licensed Master of a 199 GT uninspected towing vessel making a 500 mile coastwise trip. You carry a deck crew of six (6). Which statement is TRUE?	There must be 3 separate watches stood.	There must be at least 5 able seamen among the deck crew.	Only the able seamen require Merchant Mariner's Documents.	None of the above	10/4/00	
2	111	C	You are the licensed Master of a towing vessels operating between New York and Tampa, Florida. If you carry four (4) deckhands onboard, how many must be able seamen?	1	2	3	4	10/4/00	
2	121	D	You are the Master of an uninspected diesel towing vessel of 190 GT operating on a regular run from New York to the Gulf of Mexico. Which statement is TRUE?	Able Seamen are not required in the deck crew.	Sailors may stand 6 hours on and 6 hours off.	A licensed Chief Engineer is required.	All crew members must have Merchant Mariner's Documents.	10/4/00	
2	131	B	You are onboard a 120 GT uninspected sea going tug which carries one Master and one mate of towing vessels, and four seamen when underway. How many of the four seamen must have a rating as able seamen if the voyage is under 600 miles?	1	2	3	4	10/4/00	

2	154	B	A look-out at the bow sights an object on your port side. How many bell strokes should he sound?	One	Two	Three	Four	8/18/00	
2	165	A	You must notify the nearest Coast Guard Marine Safety Office as soon as possible after your vessel has been damaged in excess of _____.	\$25,000	\$10,000	\$1,500	\$1,000	7/3/00	
2	193	C	On a transpacific voyage, you receive a message from your vessel's operators saying that your vessel has been consigned to Naval Control of Shipping. Further information is contained in _____.	the Light List	the International Code of Signals (PUB 102)	Radio Aids to Navigation (PUB 117)	the Coast Pilot	5/26/00	
2	253	C	The forward movement of a vessel in one revolution of its propeller is measured by _____.	advance	head reach	the pitch	transfer	7/5/00	
2	280	D	Your ship is in a neutral port when full Naval Control of Shipping is established. You may expect to be boarded and instructed by a(n) _____.	U.S. Naval Control of Shipping Officer	allied Naval Control of Shipping Officer	Consular Shipping Advisors (CONSA)	Any of the above	5/26/00	

2	296	B	You are on a course of 000ø T and put the rudder right 30ø. In which direction will the transfer be measured?	000ø T	090ø T	180ø T	270ø T	7/5/00	
2	300	B	On which form do you provide a written report of Marine Casualty to the nearest Coast Guard Marine Safety Office?	DD 214	CG 2692	DOT 211	CG 5511	4/4/00	
2	303	D	What requires a Report of Marine Accident, Injury or Death?	Collision with a bridge	Injury beyond first aid	loss of life	All of the above	4/4/00	
2	305	B	What is considered a Serious Marine Incident?	an allision that results in \$500 damage to a boat dock	an injury to a crewmember, passenger, or other person which requires professional medical	grounding of a vessel on a sandbar that does not result in injuries and/or any damage to the vessel	None of the above	4/4/00	
2	321	D	Which is a TRUE statement concerning the examining of cargo equipment at the time of a vessels Inspection for Certification.	Cargo booms must be weight tested at this time by the U.S. Coast Guard.	Cargo booms must be weight tested at this time by the American Bureau of Shipping.	Cargo booms must be weight tested at this time by the National Cargo Bureau.	No test at this time is required.	4/4/00	

2	347	A	You are the person in charge of a 199-GT uninspected towing vessel engaged in coastwise towing from the Gulf of Mexico to the New York area, a distance in excess of 600 miles. Which statement is FALSE?	Certificates of Discharge are not required to be issued.	All crew members shall have Merchant Mariner's Documents.	Able seamen are required in the deck crew.	The sailors shall be divided into 3 watches.	2/21/01	
2	349	B	The periodic weight testing of a vessel's cargo booms may be performed by the _____.	U.S. Coast Guard	American Bureau of Shipping	National Cargo Bureau	Society of Naval Architects and Marine Engineers	4/4/00	
2	383	D	What is TRUE of pressure/vacuum valves?	They are designed to provide for the flow of small volumes of tank atmospheres caused by	They should operate in advance of the pressure/vacuum breakers.	They should be kept in good working order by regular inspection and cleaning.	All of the above	5/30/00	
2	385	B	In controlling pollution, which action should be taken after all dirty ballast has been transferred to the slop tank and prior to discharge through the oily-water pollution separator?	The clean tanks should be ballasted.	The slops should be allowed time to settle.	Chemicals should be added to emulsify the oil.	The dirty ballast tank is crude oil washed.	5/30/00	
2	387	D	If a bonding cable is still required by the terminal, which statement is TRUE?	It should first be inspected to see that it is mechanically and electrically sound.	The connection point for the cable should be well clear of the manifold area.	The cable is properly fixed and in good contact with the ship before cargo hoses are connected.	All of the above	5/30/00	

2	389	B	If a bonding cable is not connected, when hooking up a manifold you should use a(n)_____.	international shore connection	insulating flange or single length of non-conducting hose	self-contained breathing apparatus	oxygen analyser	5/30/00	
2	392	A	Which statement is TRUE concerning insulating flanges?	They should be inspected and tested periodically to ensure that the insulation is clean and in	Switching off a cathodic protection system may be substituted for using an insulating flange	The measured resistance value after installation should be less than 1000 ohms.	A bonding cable is more effective than an insulating flange or a single length of non-conductive	5/30/00	
2	393	C	Earthing and bonding minimize the dangers arising from _____.	smoking on deck	loading asphalt	accumulations of electrostatic charges	tank over pressurization	5/30/00	
2	399	D	A U.S. vessel participating in AMVER (Automated Mutual-Assistance Vessel Rescue System) must discontinue reporting when _____.	under VNCS (Voluntary Naval Control of Shipping)	nuclear war is in progress whether the ship is in the danger area or not	at once, when placed under Full NCS (Naval Control of Shipping)	None of the above situations are correct.	5/30/00	
2	401	D	You will stop reporting to AMVER when _____.	at once, when placed under Full NCS (Naval Control of Shipping)	under VNCS (Voluntary Naval Control of Shipping)	nuclear war is in progress whether the ship is in the danger area or not	None of the above situations is correct.	5/30/00	

2	402	D	You will stop reporting to AMVER when _____.	nuclear war is in progress whether the ship is in the danger area or not	at once, when placed under full NCS (Naval Control of Shipping)	under VNCS (Voluntary Naval Control of Shipping)	None of the above situations is correct.	5/30/00	
2	403	B	Which is the wartime operational arm of the Maritime Administration (MARAD)?	Naval Control of Shipping Liaison Officer (NCSLO)	U.S. Naval Shipping Authority (NSA US)	Operational Control Authority (OCA)	Military Sealift Command Office (MSCO)	5/30/00	
2	405	C	At the establishment of Naval Control of Shipping (NCS), ships at sea will _____.	stop and await further orders	attempt to make their way to the nearest port of a friendly nation and await further instructions	continue voyages unless in danger areas defined in the advisory or supplemental message	keep radio silence	5/30/00	
2	413	B	A person is found operating a vessel while intoxicated. For a first offense, he is liable for _____.	imprisonment for up to one year	a fine of up to \$5,000	seizure of their vessel and forfeiture of the title	a civil penalty of not more than \$1,000	7/3/00	
2	417	D	When inspecting wire rope that has been in use for some time, one must look for _____.	fishhooks	kinks	worn spots	All of the above	7/5/00	

2	422	A	Which method should be used to secure a synthetic fibre line to two bitts?	Two round turns on the bitt closest to the strain and then figure eights	Two round turns on the bitt farthest from the strain and then figure eights	Figure eights and then a round turn at the top of both bitts	Only figure eights are necessary on both bitts	8/7/00	
2	423	C	When securing a synthetic line to a bitt what is the minimum number of round turns you should take before figure-eighting the line?	None	1	2	3	7/5/00	
2	429	B	A tank is loaded with 9,000 barrels of gasoline. The temperature of the product is 90ø F (32ø C), and it has a coefficient of expansion of .0008. What is the net amount of cargo loaded?	8856 bbls	8784 bbls	8820 bbls	9216 bbls	11/6/00	
2	432	D	A licensed Master of Towing Vessels may NOT serve as the person in charge of which uninspected towing vessel?	99-gross ton uninspected towing vessel on the Chesapeake Bay	199-gross ton uninspected towing vessel operating in the Gulf of Alaska	500-gross ton uninspected towing vessel operating on the Western Rivers	299-gross ton uninspected towing vessel operating between Jacksonville, Florida, and San	8/8/00	
2	464	B	The static bollard pull of a tug is measured in tons and consists of the brake horsepower of the tug's engine divided by 100 and multiplied by a factor of _____.	0.5	1.3	3	10	1/10/01	

2	467	D	Of which type of material may a towing hawser be constructed?	Wire rope	Nylon, dacron, polypropylene or a blend of other synthetic fibers	Manila	All of the above	1/10/01	
2	491	D	A change of a documented vessel's name can only be made by the_____.	American Bureau of Shipping	Commissioner of Customs	Treasury Department	Coast Guard	7/3/00	
2	501	B	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated ROUTINE will be delivered within _____.	1 to 6 hours	3 hours to start of business the following day	30 minutes to 1 hour	10 minutes if possible	6/21/00	
2	502	B	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message warning of a hurricane. Which precedence would you assign this message?	Z (FLASH)	O (IMMEDIATE)	R (ROUTINE)	P (PRIORITY)	6/21/00	
2	509	A	Which factor must be considered when determining the order of loading of dissimilar products through the same piping system aboard a tanker?	Contamination of the cargo	Flash points	Reid vapor pressures	Specific gravities	4/24/00	

2	520	D	Sluicing or slushing wire rope _____.	prevents internal and external rust and corrosion	reduces chafing and increases its useful service life	reduces internal friction within the wire	All of the above	10/5/00	
2	550	D	If the towing bridle legs are not of equal length _____.	excessive strain is placed on the shorter leg	the shorter leg may fail	the longer leg is slack	All of the above	1/10/01	
2	596	D	Before entering an ice area, the ship should be _____.	either trimmed by the head or the stern	on an even keel	trimmed down by the head	trimmed down by the stern	7/5/00	
2	606	C	For operations in pack ice, a vessel should _____.	be on an even keel	be trimmed slightly by the head	have a drag of not more than 2 to 3 feet	be ballasted so the forefoot is near the surface	7/5/00	
2	613	B	A lookout can leave his station _____.	at the end of the watch	only when properly relieved	at any time	15 minutes before the end of the watch	8/17/00	

2	660	B	You receive word that a person has fallen overboard from the starboard side. You should FIRST _____.	notify the Master	put the wheel hard right	put the engines full astern	sound the man overboard alarm	8/18/00	
2	664	D	Coiling new rope against the lay, bringing the lower end up through the center of the coil, then coiling with the lay, in order to remove the kinks, is known as _____.	coiling	faking	flemishing	thoroughfooting	3/13/01	
2	744	C	When using natural-fiber rope, you should NEVER _____.	dry the line before stowing it	reverse turns on winches periodically to keep out kinks	try to lubricate the line	use chafing gear	8/17/00	
2	745	A	When carrying a cargo of asphalt or molten sulphur, which are carried at temperatures of over 300ø F, one of the biggest dangers is _____.	water in the tanks or pipelines	having the cargo too cool	explosion of vapors after discharge	inadequate ullage space	12/6/00	
2	747	D	When carrying a cargo of asphalt or molten sulphur, which are carried at temperatures of over 300ø F, one of the biggest dangers is _____.	inadequate ullage space	having the cargo too cool	explosion of vapors after discharge	having to breathe the fumes	12/6/00	

2	756	D	A licensed Master of Towing Vessels may NOT serve as the Captain of which towing vessel?	99-gross ton towing vessel on the Chesapeake Bay	199-gross ton towing vessel operating in the Gulf of Alaska	500-gross ton towing vessel operating on the Western Rivers	299-gross ton towing vessel operating between Jacksonville, Florida, and San Juan, Puerto	1/10/01	
2	757	A	The safest procedure used to rig a guy and preventer is to have the guy _____.	under slightly more tension than the preventer	stronger than the preventer to minimize the danger of separation	take a lighter load than the preventer as a safety factor	take the stress in case the preventer parts	1/10/01	
2	758	D	An IOPP Certificate on an inspected vessel is valid for what period of time?	6 months	1 year	2 years	5 years	2/1/01	
2	785	B	With rudders amidships and negligible wind, a twin-screw vessel moving ahead on the port screw and backing on the starboard screw will _____.	move in a straight line	pivot to starboard	pivot to port	walk sideways to starboard	2/21/01	
2	792	A	When the vessel is on coastwise articles, the original certificate of the seaman's certificate of discharge is _____.	given to the seaman	retained on board	sent to Commandant, U.S. Coast Guard	sent to the shipping company	2/21/01	

2	795	B	Who certifies the safe working load of cargo booms on a vessel?	U.S. Coast Guard	American Bureau of Shipping	Society of Naval Architects and Marine Engineers	The Ship's Master	3/9/01	
2	824	C	The larger sizes of manila line are measured by their _____.	radius	diameter	circumference	weight per foot	8/17/00	
2	934	A	Which method is used to detect rot in manila lines?	Opening the strands and examining the inner fibers	Measuring the reduction in circumference of the line	Observing for the appearance of mildew on the outer surface	Feeling the surface of the line for broken fibers	8/17/00	
2	944	B	When caring for natural-fiber line, you should NEVER _____.	dry the line before stowing it	lubricate the line	protect the line from weather	slack off taut lines when it rains	3/5/01	
2	954	B	In order to correctly open a new coil of manila line, you should _____.	pull the tagged end from the top of the coil	pull the tagged end through the eye of the coil	secure the outside end and unroll the coil	unreel the coil from a spool	8/17/00	

2	978	B	Anyone voluntarily surrendering their license to a U.S. Coast Guard investigating officer signs a statement indicating that _____.	all title to the license is given up for 5 years	their rights to a hearing are waived	they may be issued a new license in 5 years after passing another written examination	All of the above	7/5/00	
2	979	D	A cargo of oil has a coefficient of expansion of .0005 per degree F. If this cargo is loaded at 70ø F, and a cargo temperature of 90ø F is expected at the discharge port, how many barrels would you expect to unload if you loaded 10,000 barrels?	9,900	9,990	10,010	10,100	11/6/00	
2	982	D	The muster list must be posted in conspicuous locations and signed by the _____.	safety officer	Coast Guard Officer approving the bill	owner	Master	7/3/00	
2	1004	B	Uncoiling manila line improperly can result in a(n) _____.	number of fishhooks	kink in the line	50% loss of efficiency of the line	increase in deterioration of the line	8/17/00	
2	1008	B	When anyone voluntarily deposits their license or document with a Coast Guard investigating officer _____.	they permanently give up their rights to the license or document	it may be for reasons of mental or physical incompetence	it must be for reason of addiction to narcotics	All of the above	7/5/00	

2	1024	A	A natural fiber rope can be ruined by dampness because it may _____.	rot	shrink	stretch	unlay	8/17/00	
2	1033	D	Each crewmember has an assigned firefighting station. This assignment is shown on the _____.	fire fighting plan	shipping articles	Certificate of Inspection	muster list	7/3/00	
2	1123	D	On a transpacific voyage, you receive a message from your vessel's operators saying that your vessel has been consigned to Naval Control of Shipping. Further information is contained in _____.	the Light List	the Coast Pilot	the International Code of Signals (PUB 102)	Radio Aids to Navigation (PUB 117)	5/26/00	
2	1132	C	A lookout can leave his station _____.	at the end of the watch	at any time	ONLY when properly relieved	15 minutes before the end of the watch	8/17/00	
2	1275	C	The tension on an anchor cable increases so that the angle of the catenary to the seabed at the anchor reaches 10°. How will this affect the anchor in sandy soil?	It will have no effect.	It will increase the holding power.	It will reduce the holding power.	It will cause the anchor to snag.	7/5/00	

2	1285	D	Which information MUST be entered on the muster list?	Names of all crew members	Use and application of special equipment	Listing of approved emergency equipment	Duties and station of each person during emergencies	7/3/00	
2	1305	D	What is an advantage of the 6X19 class of wire rope over the 6X37 class of wire rope of the same diameter?	Greater holding power	Better for towing	More resistance to elongation	More resistance to corrosion	6/16/00	
2	1306	A	You are making mooring lines fast to bitts, stern to, as in some Mediterranean ports. A swell is liable to make the vessel surge. How should you tie up?	Use manila or synthetic fiber hawsers only.	Use wires only from the stern and each quarter.	Use synthetic fiber and/or manila hawsers as required.	Use wires from each quarter and manila hawsers from the stern.	8/23/00	
2	1308	B	The S.S. Sheet Bend arrives in New York after encountering heavy weather on a voyage from Capetown. Who will note the protest for the Master?	Collector of Customs	Notary Public	Officer in Charge Marine Inspection	U.S. Shipping Commissioner	8/23/00	
2	1393	B	Your vessel's operators send a message that your vessel has been consigned to Naval Control of Shipping. The message will refer you to _____.	the Light List	Radio Aids to Navigation (PUB 117)	the International Code of Signals (PUB 102)	the Coast Pilot	5/26/00	

2	1512	C	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message warning of a hurricane. Which precedence would you assign this message?	R (ROUTINE)	Z (FLASH)	O (IMMEDIATE)	P (PRIORITY)	6/21/00	
2	1515	C	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated ROUTINE will be delivered within _____.	30 minutes to 1 hour	1 to 6 hours	3 hours to start of business the following day	10 minutes if possible	6/21/00	
2	1568	B	A tackle is two blocked" when the blocks are _____."	equally sharing the load	jammed together	as far apart as possible	rove to the highest mechanical advantage	8/7/00	
2	1611	A	On a transpacific voyage, you receive a message from your vessel's operators saying that your vessel has been consigned to Naval Control of Shipping. Further information is contained in _____.	Radio Aids to Navigation (PUB 117)	the Coast Pilot	the International Code of Signals (PUB 102)	the Light List	5/26/00	
2	1649	C	What is required to be stenciled at the heel of a cargo boom?	Maximum angle of elevation permitted	Date of the last quadrennial test	Safe working load	Maximum load when doubled up	4/25/00	

2	1675	A	What is the name of the mark indicated by the letter D?	Tropical load line	Summer load line	Fresh load line	Winter load line	8/17/00	See illustration number D003DG
2	1707	D	You are proceeding under NCS (Naval Control of Shipping) when it becomes necessary to send a distress message. What precedence would you assign this message?	R (ROUTINE)	Z (FLASH)	P (PRIORITY)	O (IMMEDIATE)	6/21/00	
2	1722	B	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated PRIORITY will be delivered within _____.	3 hours to start of business the following day	1 to 6 hours	30 minutes to 1 hour	10 minutes if possible	6/21/00	
2	1723	A	What is meant by the term two-blocked"?"	The bottom block touches the top block.	The line has jumped the sheaves.	There are turns in the fall.	You have two blocks.	8/7/00	
2	1733	C	Separating both blocks of a tackle to prepare it for reuse is called _____.	chockablocking	fleeting	overhauling	two blocking	8/7/00	

2	1833	D	The standing part of a tackle is _____.	all the fall except the hauling part	the hook that engages the weight to be moved	that part to which power is applied	that part of the falls made fast to one of the blocks	8/7/00	
2	1835	A	Your vessel's operators send a message that your vessel has been consigned to Naval Control of Shipping. The message will refer you to _____.	Radio Aids to Navigation (PUB 117)	the Coast Pilot	the International Code of Signals (PUB 102)	the Light List	5/26/00	
2	1845	C	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message concerning an initial enemy contact. Which precedence would you assign this message?	O (IMMEDIATE)	P (PRIORITY)	Z (FLASH)	R (ROUTINE)	6/21/00	
2	1846	C	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated IMMEDIATE will be delivered within _____.	3 hours to start of business the following day	1 to 6 hours	30 minutes to 1 hour	10 minutes if possible	6/21/00	
2	1871	D	You are proceeding under NCS (Naval Control of Shipping) when you wish to send a message concerning your ships diversion. Which precedence would you assign this message?	O (IMMEDIATE)	Z (FLASH)	R (ROUTINE)	P (PRIORITY)	6/21/00	

2	1872	D	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated FLASH will be delivered within _____.	3 hours to start of business the following day	1 to 6 hours	30 minutes to 1 hour	less than 10 minutes	5/26/00	
2	1901	D	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message by rapid transmission which does not require a higher precedence. Which precedence would you assign this transmission?	O (IMMEDIATE)	Z (FLASH)	P (PRIORITY)	R (ROUTINE)	6/21/00	
2	1903	B	When securing a manila line to a bitt what is the minimum number of round turns you should take before figure-eighting the line?	None	1	2	3	8/7/00	
2	1974	A	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated PRIORITY will be delivered within _____.	1 to 6 hours	30 minutes to 1 hour	3 hours to start of business the following day	10 minutes if possible	6/21/00	
2	1996	B	Which method should be used to secure a manila line to bitts?	A round turn on the bitt farthest from the strain and then figure eights	A round turn on the bitt closest to the strain and then figure eights	Figure eights and then a round turn at the top of both bitts	Only figure eights are necessary on both bitts	8/7/00	

2	2052	A	You are proceeding under NCS (Naval Control of Shipping) when it becomes necessary to send a distress message. Which precedence would you assign this message?	O (IMMEDIATE)	P (PRIORITY)	R (ROUTINE)	Z (FLASH)	6/21/00	
2	2081	A	A seaman is reported missing in the morning and was last seen after coming off the mid-watch. Which type of turn would you use to return to the trackline steamed during the night?	Williamson	Racetrack	180ø turn	Anderson	8/18/00	
2	2092	D	You are signing on a crew. When they present their Merchant Mariner's Documents, you should suspect a fraudulent document if it has a single endorsement that says _____.	see Certificate of Registry	any unlicensed rating in the deck department including AB	Steward's Department (F.H.)	Bosun	8/18/00	
2	2095	D	You are using a racetrack turn to recover a man overboard. The vessel is first steadied when how many degrees away from the original heading?	60ø to 70ø	90ø	135ø	180ø	8/18/00	
2	2148	A	You are the Master of an uninspected diesel towing vessel of 190 GT operating on a regular run from New York to the Gulf of Mexico. Which statement is TRUE?	All crew members must have Merchant Mariner's Documents.	A licensed Chief Engineer is required.	Deck watches may be 6 and 6.	Able Seamen are not required in the deck crew.	10/4/00	

2	2158	C	You are proceeding under NCS (Naval Control of Shipping) when you wish to send a message concerning your ships diversion. Which precedence would you assign this message?	O (IMMEDIATE)	R (ROUTINE)	P (PRIORITY)	Z (FLASH)	6/21/00	
2	2184	B	The lashings on a stack of containers with interlocking fittings restrain the forces that cause _____.	toppling	racking	buckling	crushing	8/23/00	
2	2202	D	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message concerning an initial enemy contact. Which precedence will you assign this message?	O (IMMEDIATE)	P (PRIORITY)	R (ROUTINE)	Z (FLASH)	6/21/00	
2	2270	D	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated ROUTINE will be delivered within _____.	10 minutes if possible	1 to 6 hours	30 minutes to 1 hour	3 hours to start of business the following day	6/21/00	
2	2274	C	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated PRIORITY will be delivered within _____.	3 hours to start of business the following day	30 minutes to 1 hour	1 to 6 hours	10 minutes if possible	6/21/00	

2	2275	D	When inspecting wire rope before a hoisting operation, one must look for _____.	fishhooks	kinks	worn spots	All of the above	7/5/00	
2	2287	A	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated IMMEDIATE will be delivered within _____.	30 minutes to 1 hour	1 to 6 hours	3 hours to start of business the following day	10 minutes if possible	6/21/00	
2	2303	D	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message warning of a hurricane. Which precedence would you assign this message?	P (PRIORITY)	Z (FLASH)	R (ROUTINE)	O (IMMEDIATE)	6/21/00	
2	2311	A	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated FLASH will be delivered within _____.	10 minutes if possible	1 to 6 hours	30 minutes to 1 hour	3 hours to start of business the following day	6/21/00	
2	2316	D	A lookout can leave his/her station _____.	at any time	at the end of the watch	15 minutes before the end of the watch	only when properly relieved	8/17/00	

2	2365	A	A six-strand composite rope made up of alternate fiber and wire strands around a fiber core is called _____.	spring lay	lang lay	cable lay	alternate lay	7/7/00	
2	2456	C	Which term describes a part of a natural fiber line?	Lacings	Lays	Strands	Twines	8/17/00	
2	2481	B	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message concerning an initial enemy contact. Which precedence would you assign this message?	P (PRIORTIY)	Z (FLASH)	R (ROUTINE)	O (IMMEDIATE)	6/21/00	
2	2547	B	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated IMMEDIATE will be delivered within _____.	3 hours to start of business the following day	30 minutes to 1 hour	1 to 6 hours	10 minutes if possible	6/21/00	
2	2562	A	As you hold a piece of manila line vertically in front of you, the strands run from the lower left to the upper right. Which type of line is this?	Right-hand laid	Cable-laid	Sennet-laid	Water-laid	7/7/00	

2	2602	C	As you hold a piece of manila line vertically in front of you, the strands run from the lower right to the upper left. Which type of line is this?	Plain-laid	Shroud-laid	Left-hand laid	Water-laid	7/7/00	
2	2785	B	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message by rapid transmission which does not require a higher precedence. Which precedence would you assign this message?	P (PRIORTIY)	R (ROUTINE)	O (IMMEDIATE)	Z (FLASH)	6/21/00	
2	2804	C	Which publication is NOT carried on board U.S. merchant vessels operating under Naval Control of Shipping?	Allied Control of Shipping Manual - Guide to Masters	Communications Supplement	Tactical Control and Routing of Merchant Vessels	All of the above are carried on board	5/26/00	
2	2808	C	Under the forces of its own weight, the suspended length of line will fall into a shape known as a _____.	polygon	holding arc	catenary curve	parabolic curve	8/18/00	
2	2812	A	If a tug equipped with flanking rudders is to be turned in a confined circle, when going astern, the stern will move to port the quickest if _____.	the rudder is hard to port and the flanking rudders are hard to port	the rudder is amidships and the flanking rudders are hard to port	the rudder is hard to port and the flanking rudders are hard to starboard	all rudders are hard to starboard	7/5/00	

2	2931	B	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated FLASH will be delivered within _____.	3 hours to start of business the following day	10 minutes if possible	1 to 6 hours	30 minutes to 1 hour	6/21/00	
2	2935	C	You are proceeding under NCS (Naval Control of Shipping) when it becomes necessary to send a distress message. Which precedence would you assign this message?	R (ROUTINE)	P (PRIORITY)	O (IMMEDIATE)	Z (FLASH)	6/21/00	
2	2956	A	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message concerning an initial enemy contact. Which precedence would you assign this message?	Z (FLASH)	P (PRIORITY)	R (ROUTINE)	O (IMMEDIATE)	6/21/00	
2	2977	A	You are proceeding under NCS (Naval Control of Shipping) when you wish to send a message concerning your ships diversion. Which precedence would you assign this message?	P (PRIORITY)	Z (FLASH)	R (ROUTINE)	O (IMMEDIATE)	6/21/00	
2	3061	D	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated IMMEDIATE will be delivered within _____.	3 hours to start of business the following day	1 to 6 hours	10 minutes if possible	30 minutes to 1 hour	6/21/00	

2	3075	B	You are proceeding under NCS (Naval Control of Shipping) when you wish to send a message concerning your ships diversion. Which precedence would you assign this message?	O (IMMEDIATE)	P (PRIORITY)	R (ROUTINE)	Z (FLASH)	6/21/00	
2	3085	D	Naval Control of Shipping (NCS) publications should be ____.	in the Master's custody	safely stowed	turned over to the relieving Master	All of the above	5/30/00	
2	3100	B	A holder of a license as Master of towing vessels may work each 24 hours for a period not to exceed ____.	6 hours	12 hours	18 hours	24 hours	10/4/00	
2	3120	D	You are operating a 150 GT towing vessel. What is NOT required on the vessel?	Certificate of Documentation	FCC station license	Your Coast Guard license	Certificate of Inspection	7/3/00	
2	3144	C	A tow consists of 8 barges: 6 jumbo barges made up 3 abreast and 2 long, with 2 standard barges abreast as lead barges. How long is this tow?	525 feet	545 feet	565 feet	595 feet	7/5/00	

2	3170	D	A license for apprentice mate(steersman) of uninspected towing vessels shall be renewed within what time period before or after the expiration date?	30 days	90 days	6 months	12 months	7/12/00	
2	3173	C	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated FLASH will be delivered within _____.	3 hours to start of business the following day	1 to 6 hours	10 minutes if possible	30 minutes to 1 hour	6/21/00	
2	3176	C	The part of the anchor indicated by the letter G is the _____.	fluke	shank	tripping palm	crown	4/4/00	See illustration number D038DG
2	3180	C	A license issued by the U.S. Coast Guard for Master of Towing Vessels is valid for _____.	2 years and must be renewed	3 years and must be renewed	5 years and must be renewed	life and need not be renewed	10/4/00	
2	3200	C	A license issued by the U.S. Coast Guard for apprentice mate (steersman) of Uninspected Towing Vessels is valid for _____.	2 years and must be renewed	3 years and must be renewed	5 years and must be renewed	None of the above	7/3/00	

2	3210	D	A licensed Master of Towing Vessels may NOT serve as the person in charge of which towing vessel?	99-gross ton towing vessel on the Chesapeake Bay	199-gross ton towing vessel operating in the Gulf of Alaska	500-gross ton towing vessel operating on the Western Rivers	299-gross ton towing vessel operating between Jacksonville, Florida, and San Juan, Puerto	10/4/00	
2	3219	D	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated PRIORITY will be delivered within _____.	3 hours to start of business the following day	10 minutes if possible	30 minutes to 1 hour	1 to 6 hours	6/21/00	
2	3220	D	If you are guilty of failure to properly perform your duties as Master of Uninspected Towing Vessels, which of the following actions may NOT be taken?	Issuance of a letter of warning	Suspension of your license	Revocation of your license	A fine placed against your license	7/3/00	
2	3293	A	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message by rapid transmission which does not require a higher precedence. Which precedence would you assign this message?	R (ROUTINE)	P (PRIORITY)	O (IMMEDIATE)	Z (FLASH)	6/21/00	
2	3323	B	You are proceeding under NCS (Naval Control of Shipping) when it becomes necessary to send a distress message. Which precedence would you assign this message?	P (PRIORITY)	O (IMMEDIATE)	R (ROUTINE)	Z (FLASH)	6/21/00	

2	3370	D	In astern towing, a tow span, also called the tow bar" or "towing arch", is used to _____."	insure that the hawser leads directly aft as it passes over the stern of the towing vessel	increase the stability of the towing vessel by raising the hawser off the deck	reduce chafing of the towing hawser	prevent fouling of the hawser on deck gear located on the stern of the towing vessel	8/17/00	
2	3490	D	A device used to tighten up remaining slack in wire rope when you are making up to a tow in inland waters is a _____.	tripping line	tripping bracket	norman pin	steamboat ratchet	7/5/00	
2	3491	B	You are the licensed Master of a towing vessel operating between New York and Tampa, Florida. If you carry four (4) deckhands onboard, how many must be able seamen?	4	3	2	1	10/4/00	
2	3493	B	You are the Master of an uninspected diesel towing vessel of 190 GT operating on a regular run from New York to the Gulf of Mexico. Which statement is TRUE?	Able Seamen are not required in the deck crew.	All crew members must have Merchant Mariner's Documents.	A licensed Chief Engineer is required.	Deck watches may be 6 and 6.	10/4/00	
2	3610	D	You have a tow of chemical barges. The mate reports an ammonia smell around the head of the tow. You would suspect a leak in the barge carrying _____.	methyl chloride	heptane	propanolamine	morpholine	7/5/00	

2	3644	B	You are drifting in calm water, there is no current. As a rule, your vessel will lie _____.	bow to the wind	beam to the wind	stern to the wind	with the wind on the quarter	8/17/00	
2	3728	C	The main reason a long towline is used during an ocean tow is that _____.	a margin of safety is provided should the line part	the towline will wear more evenly	there will be less stress on the towline	a slight increase in speed will be realized	8/18/00	
2	4053	C	You are proceeding under NCS (Naval Control of Shipping) and wish to send a message by rapid transmission which does not require a higher precedence. Which precedence would you give this message?	O (IMMEDIATE)	P (PRIORITY)	R (ROUTINE)	Z (FLASH)	6/21/00	
2	4054	A	Hanging a barge off" means to _____."	moor a damaged barge to the bank and leave	remove and deliver a loaded barge from a multiple tow	remove a barge while locking through	tow an empty barge astern	7/5/00	
3	9	A	When displayed under a single-span fixed bridge, red lights indicate _____.	the channel boundaries	that vessels must stop	the bridge is about to open	that traffic is approaching from the other side	8/29/00	

3	19	D	You are approaching a swing bridge at night. You will know that the bridge is open for river traffic when _____.	the fixed, green light starts to flash	the amber light changes to green	the red light is extinguished	the red light changes to green	8/29/00	
3	29	C	You are approaching a multiple-span bridge at night. The main navigational channel span will be indicated by _____.	a quick flashing red or green aid to navigation	a steady blue light in the center of the span	3 white lights in a vertical line in the center of the span	a flashing green light in the center of the span	8/29/00	
3	31	A	When approaching a preferred-channel buoy, the best channel is NOT indicated by the _____.	light characteristic	color of the uppermost band	shape of an unlighted buoy	color of the light	8/29/00	
3	43	C	A buoy with a composite group-flashing light indicates a(n) _____.	anchorage area	fish net area	bifurcation	dredging area	8/29/00	
3	61	A	Red lights may appear on _____.	horizontally banded buoys	vertically striped buoys	yellow buoys	spherical buoys	8/29/00	

3	91	D	A preferred-channel buoy will show a _____.	white light whose characteristic is Morse (A)	group-occulting white light	composite group-flashing (2 + 1) white light	composite group-flashing (2 + 1) red or green light	8/29/00	
3	102	C	Which statement about a NIMA chart with stock no.23BHA23433 is TRUE?	This is a non-navigational or special purpose chart.	It is not included in the portfolio.	It is a chart of an area in subregion 23.	It depicts a major portion of an ocean.	6/16/00	
3	112	D	Which chart number indicates a NIMA chart designed for inshore coastwise navigation?	LCORR5868	COMBT800564	17XHA17365	16ACO16595	6/16/00	
3	138	B	The path that a vessel is expected to follow, represented on a chart by a line drawn from the point of departure to the point of arrival, is the _____.	DR plot	track line	heading	estimated course	8/29/00	
3	141	C	You are enroute to assist vessel A. Vessel A is underway at 6 knots on course 133ø T, and bears 042ø T, 105 miles from you. What is the time to intercept if you make 10 knots?	12h 30m	12h 44m	12h 58m	13h 22m	6/29/00	

3	151	B	Under the U.S. Aids to Navigation System, spherical buoys may be _____.	numbered	lettered	lighted	All of the above	8/29/00	
3	158	C	Discounting slip, if your vessel is turning RPM for 10 knots and making good a speed of 10 knots, the current could be _____.	with you at 10 knots	against you at 10 knots	slack	with you at 2 knots	8/29/00	
3	161	D	How is a safe water mark, that can be passed close aboard on either side, painted and lighted?	Black and white stripes with an interrupted quick flashing light	Black and red stripes with a Morse (A) light	Black and red stripes with an interrupted quick flashing light	Red and white stripes with a Morse (A) light	8/29/00	
3	178	A	You are steering a southerly course, and you note that the chart predicts an easterly current. Without considering wind, how may you allow for the set?	Head your vessel slightly to the right	Head your vessel slightly to the left	Decrease your speed	Increase your speed	8/29/00	
3	181	B	Which navigational mark may only be lettered?	An unlighted, green, can buoy	A spherical buoy	A red buoy	A port side dayshape	8/29/00	

3	191	C	Safe water buoys may show ONLY_____.	flashing red lights	flashing green lights	white lights	yellow lights	8/29/00	
3	197	A	Chart legends printed in capital letters show that the associated landmark is _____.	conspicuous	inconspicuous	a government facility or station	a radio transmitter	6/16/00	
3	201	B	What is a lighted safe water mark fitted with to aid in its identification?	Red and white retroreflective material	A spherical topmark	A sequential number	A red and white octagon	8/29/00	
3	231	B	You are outbound in a buoyed channel on course 015ø T. You sight a white light showing a Morse (A) characteristic bearing 359ø relative. For safety, you should _____.	change course to 359ø T to pass near to the buoy	stay in the channel and leave the bouy to port	alter course to 000ø T and leave the buoy well clear to starboard	check the chart to see where the marked danger lies in relation to the buoy	8/29/00	
3	239	D	As you enter a channel from seaward in a U.S. port, the numbers on the starboard side buoys _____.	decrease and the buoys are black	increase and the buoys are green	decrease and the buoys are red	increase and the buoys are red	8/29/00	

3	261	D	You are heading out to sea in a buoyed channel and see a quick-flashing green light on a buoy ahead of you. In U.S. waters, you should leave the buoy _____.	well clear on either side	about 50 yards off on either side	to port	to starboard	8/29/00	
3	281	B	A lighted buoy to be left to starboard, when entering a U.S. port from seaward, shall have a _____.	white light	red light	green light	light characteristic of Morse (A)	8/29/00	
3	291	A	A buoy marking a wreck will show a(n) _____.	white light FL (2) and a topmark of 2 black spheres	occulting green light and may be lettered	yellow light and will be numbered	continuous quick white light and may be numbered	8/29/00	
3	320	C	Sometimes foreign charts are reproduced by NIMA. On such a chart, a wire-dragged, swept area may be shown in green or _____.	red	black	purple	yellow	6/16/00	
3	321	B	Which buoy may be even numbered?	Mid-channel buoy	Unlighted nun buoy	Lighted green buoy	All of the above	8/29/00	

3	331	D	What indicates a buoy that should be left to port when entering from seaward? (U.S. Aids to Navigation System)	White light	Group flashing characteristic	Nun shape	Odd number	8/29/00	
3	356	D	When facing into the wind in the Northern Hemisphere the center of low pressure lies _____.	directly in front of you	directly behind you	to your left and behind you	to your right and behind you	7/5/00	
3	380	B	Prevailing winds between 30° N and 60° N latitude are from the _____.	east	west	north	south	7/5/00	
3	386	B	Your vessel is on course 180° T speed 22 knots. The apparent wind is from 70° off the port bow, speed 20 knots. The true direction and speed of the wind are _____.	45° T, 21.0 knots	51° T, 24.0 knots	58° T, 21.2 knots	64° T, 26.0 knots	4/4/00	
3	400	D	Information about the currents for the Pacific Coast of the U. S. are found in the _____.	Ocean Current Tables	Nautical Almanac	Tide Tables	Tidal Current Tables	8/18/00	

3	441	B	A yellow buoy may exhibit a(n) _____.	fixed red light	flashing light	white light	occulting light	8/29/00	
3	451	A	Which light characteristic may be used on a special purpose mark?	Fixed	Occulting	Equal interval	Quick flashing	8/29/00	
3	461	A	Under the U.S. Aids to Navigation System, a yellow buoy may _____.	mark a fish net area	be lighted with a white light	show a fixed red light	All of the above	8/29/00	
3	471	A	Yellow lights may appear on _____.	special purpose buoys	vertically-striped buoys	horizontally-banded buoys	spherical buoys	8/29/00	
3	557	A	Your vessel has a draft of 23 feet. On 23 June 1983 you wish to pass over a temporary obstruction near Beaufort, SC, that has a charted depth of 22 feet. Allowing for a safety margin of 3 feet, what is the earliest time after 1600 DST (ZD +4) that t	1751	1815	1855	1944	3/7/01	

3	567	C	The charted channel depth at Eastport, ME, is 28 feet. You are drawing 31.5 feet and wish 2 feet clearance under the keel. What is the earliest time after 1700 DST (ZD +4), on 6 September 1983, that you can enter the channel?	1803	1815	1921	2208	3/7/01	
3	571	C	The Coast Guard Captain of the Port has excluded all traffic from a section of a port, while a regatta is taking place. The buoys marking this exclusion area will be _____.	nun- or can-shaped to conform to the overall direction of navigation	yellow	orange and white	marked with a spherical topmark	8/29/00	
3	574	B	If your mercurial barometer reads 30.50 inches (1033 millibars) and the temperature is 56ø F (13øC), what is the correct reading at 55ø N, 150ø W?	30.42 inches (1030 millibars)	30.45 inches (1031 millibars)	30.50 inches (1032 millibars)	30.53 inches (1033 millibars)	1/25/01	
3	587	B	Your vessel has a draft of 34 feet. On 8 October 1983 you wish to pass over an obstruction near Jaffrey Point, NH, that has a charted depth of 31 feet. Allowing for a safety margin of 3 feet, what is the earliest time after 0900 DST (ZD +4) that th	920	1028	1120	1159	3/7/01	
3	601	A	White and orange buoys, if lighted, show which color light?	White	Orange	Red	Alternating yellow and white	8/29/00	

3	607	D	The charted depth alongside the south face of Mystic Pier, Charlestown, MA, is 35 feet. Your maximum draft is 38 feet. You wish to have 2 feet under the bottom, on a rising tide, when you go alongside to discharge a heavy lift. What is the earliest t	1020	1050	1130	1150	3/7/01	
3	613	B	Your radar indicates a target; however, there is no visible object at the point indicated. A large mountain, approximately 50 miles away on the same bearing as the target, is breaking the horizon. You should suspect the radar target is	a submerged submarine	ducting	sub-refraction	ionospheric skip waves	8/16/00	
3	631	C	A light characteristic of composite group flashing indicates that there is a(n) _____.	sharp turn in the channel	narrowing in the channel at that point	junction in the channel	obstruction that must be left to port	8/29/00	
3	633	A	You have another ship overtaking you close aboard to starboard. You have 3 radar targets bearing 090° relative at ranges of .5 mile, 1 mile, and 1.5 miles. In this case, the unwanted echoes are called _____.	multiple echoes	spoking	indirect echoes	side-lobe echoes	8/16/00	
3	643	C	When using the radar for navigating _____.	the best fix is obtained by using a tangent bearing and a range	and using two radar ranges for a fix, the objects of the ranges should be close to reciprocal	and using ranges, the most rapidly changing range should be measured last	and crossing a radar range of one object with the visual bearing of a second object, the two objects	8/16/00	

3	651	B	Which topmark in illustration D023NG identifies an isolated danger?	A	B	C	D	8/29/00	
3	653	B	You have been observing your radar screen and notice that a contact on the screen has remained in the same position, relative to you, for several minutes. Your vessel is making 10 knots through the water. Which statement is TRUE?	The contact is dead in the water.	The contact is on the same course and speed as your vessel.	The contact is on a reciprocal course at the same speed as your vessel.	The radar is showing false echoes and is probably defective.	8/16/00	
3	657	B	Current refers to the _____.	vertical movement of the water	horizontal movement of the water	density changes in the water	None of the above	8/29/00	
3	663	A	You are underway at 10 knots. At 1800 you note a radar contact dead ahead at a range of 10 miles. At 1812 the contact is dead ahead at a range of 8 miles. The estimated speed of the contact is _____.	dead in the water	5 knots	10 knots	15 knots	8/16/00	
3	667	B	The navigable semicircle of a typhoon in the Southern Hemisphere is the area _____.	behind the typhoon, measured from 90° to 180° from each side of the storm's track	to the right of the storm's track	ahead of the typhoon, measured from the storm's track to 90° on each side	measured from due south, counterclockwise 180°	11/14/00	

3	673	D	You are underway at 5 knots and see on your radar a contact 10 miles directly astern of you. 12 minutes later, the contact is 8 miles directly astern of you. What is the estimated speed of the contact?	Dead in the water	1 knot	10 knots	15 knots	8/16/00	
3	677	A	A swift current occurring in a narrow passage connecting two large bodies of water, which is produced by the continuously changing difference in height of tide at the two ends of the passage, is called a _____.	hydraulic current	rectilinear current	rotary current	harmonic current	8/29/00	
3	683	C	A radar contact will remain stationary on a relative motion radar display only when it is _____.	on the same course as your vessel	at the same speed as your vessel	on the same course and speed as your vessel	on a reciprocal course at the same speed as your vessel	8/16/00	
3	687	B	The drift and set of tidal, river, and ocean currents refer to the _____.	position and area of the current	speed and direction toward which the current flows	type and characteristic of the current's flow	None of the above	8/29/00	
3	693	B	Which general statement concerning radar is FALSE?	Raising the antenna height increases the radar range.	The ability of radar to detect objects is unaffected by weather conditions.	Radar bearings are less accurate than radar ranges.	Radar should be checked regularly during clear weather to ensure that it is operating properly.	8/16/00	

3	697	D	The set of the current is the _____.	speed of the current at a particular time	maximum speed of the current	direction from which the current flows	direction in which the current flows	8/29/00	
3	707	D	Set of the current is _____.	its velocity in knots	direction from which it flows	estimated current	direction towards which it flows	8/29/00	
3	708	C	Which statement about Radio Navigational Warning Broadcasts is TRUE?	Radio navigational warnings are valid for 10 days, unless cancelled earlier.	NAVAREA warnings cover coastal areas only, while HYDROLANTS or HYDROPACS cover entire	Radio navigational warnings issued by NIMA are printed in the Daily Memorandum	HYDROLANTS and HYDROPACS cover the same geographical areas as NAVAREA	6/16/00	
3	713	C	The closest point of approach (CPA) of a contact on a relative motion radar may be determined _____.	immediately when the contact is noted on radar	only if the radar scope is watched constantly	after the contact has been marked at least twice	by an occasional glance at the radar	8/16/00	
3	717	A	Which term refers to the direction a current is flowing?	Set	Drift	Vector direction	Stand	8/29/00	

3	727	C	What is an ebb current?	A current at minimum flow	A current coming in	A current going out	A current at maximum flow	8/29/00	
3	737	C	What describes an ebb current?	Horizontal movement of the water away from the land following low tide	Horizontal movement of the water toward the land following low tide	Horizontal movement of the water away from the land following high tide	Horizontal movement of the water toward the land following high tide	8/29/00	
3	747	B	The movement of water away from the shore or downstream is called a(n) _____.	reversing current	ebb current	flood current	slack current	8/29/00	
3	757	A	The term flood current" refers to that time when the water _____."	is flowing towards the land	is moving towards the ocean	level is not changing	level is rising because of heavy rains	8/29/00	
3	777	A	With respect to a reversing current, slack water occurs when there is _____.	little or no horizontal motion of the water	little or no vertical motion of the water	a weak ebb or flood current	when winds cause water to back up in a river mouth	8/29/00	

3	778	D	The navigable semicircle of a hurricane in the Northern Hemisphere is that area of the storm measured _____.	from true north clockwise to 180øT	from true north counterclockwise to 180ø T	from the bow counterclockwise to 180ø relative	from the direction of the storm's movement counterclockwise 180ø	11/6/00	
3	788	A	What is the minimum number of measurement(s) from satellites for GPS to give an exact position?	4	3	2	1	11/6/00	
3	860	A	The Light List shows that a navigational light has a nominal range of 10 miles and a height above water of 38 feet (11.6 meters). Your height of eye is 52 feet (15.8 ,meters) and the visibility is 11.0 miles. At which approximate range will you first	10.5 miles	13.9 miles	15.6 miles	18.0 miles	9/5/00	
3	923	C	A magnetic compass card is marked in how many degrees?	90	180	360	400	6/30/00	
3	938	B	If within 500 yards (460m) of a Northern Right Whale you are lawfully obligated to _____.	turn away from the whale and leave at full speed	turn away from the whale and leave at slow speed	slow to bare steerageway until the whale swims away	stop the vessel and sound repeated blasts on the ship's whistle to scare the whale away	11/6/00	

3	967	C	On an Atlantic Ocean voyage from New York to Durban, South Africa, you should expect the Agulhas Current to present a strong _____.	offshore set	onshore set	head current	fair or following current	9/5/00	
3	982	A	The National Imagery and Mapping Agency's (NIMA) List of Lights for coasts other than the United States and its possessions does NOT provide information on _____.	lighted buoys in harbors	storm signal stations	radio direction finder stations at or near lights	radio beacons located at or near lights	11/6/00	
3	1008	C	The Light List indicates that a light has a nominal range of 18 miles and is 38 feet high. If the visibility is 6 miles and your height of eye is 15 feet, at which distance will you sight the light?	18.0 nm	14.8 nm	11.7 nm	6.0 nm	8/29/00	
3	1016	B	A source of an air mass labeled mTw is _____.	the equator	the Gulf of Mexico	Alaska	Canada	4/19/00	
3	1032	C	What is the approximate geographic range of Point Judith Light, Rhode Island, if your height of eye is 62 feet (18.9 meters)? Refer to Reprints from the LIGHT LISTS AND COAST PILOTS". "	9.6 nm	16.5 nm	18.6 nm	20.7 nm	8/29/00	

3	1042	D	What is the approximate geographic range of Shinnecock Light, NY, if your height of eye is 24 feet (7.3 meters)? Refer to Reprints from the LIGHT LISTS AND COAST PILOTS".	8.7 nm	9.9 nm	14.4 nm	15.9 nm	8/29/00	
3	1049	B	At 0000 you fix your position and change course to 270ø T. At 0030 you again fix your position, and it is 0.5 mile east of your DR. Which statement is TRUE?	The set is 090ø, drift 0.5 knot.	The set is 090ø, drift 1.0 knot.	The set is 270ø, drift 0.5 knot.	The set is 270ø, drift 1.0 knot.	8/29/00	
3	1052	A	What is the approximate geographic range of Southwest Ledge Light, Connecticut, if your height of eye is 32 feet (9.8 meters)? Refer to Reprints from the LIGHT LISTS AND COAST PILOTS".	15.5 nm	13.4 nm	8.7 nm	6.9 nm	8/29/00	
3	1060	C	Isobars on a weather map are useful in predicting _____.	temperature	dew point	wind velocity	relative humidity	8/17/00	
3	1062	B	What is the approximate geographic range of Horton Point Light, NY, if your height of eye is 40 feet (12.2 meters)? Refer to Reprints from the LIGHT LISTS AND COAST PILOTS".	18.8 nm	19.3 nm	20.3 nm	24.8 nm	8/29/00	

3	1068	B	A vessel sighting a northern right whale dead ahead should _____.	maintain course and speed	alter course to give a wide clearance	report the whale's position to the Canadian Coast Guard	All of the above	4/4/00	
3	1069	A	What do the numbers on isobars indicate?	barometric pressure	temperature	rain in inches	wind speed	8/17/00	
3	1072	C	What is the approximate geographic range of Assateague Light, VA, if your height of eye is 52 feet (15.8 meters)? Refer to Reprints from the LIGHT LISTS AND COAST PILOTS".	14.1 nm	21.8 nm	23.0 nm	50.2 nm	8/29/00	
3	1099	B	You are enroute to assist vessel A. Vessel A is underway at 6 knots on course 133ø T, and bears 343ø T at 92 miles from you. What is the course to steer at 9 knots to intercept vessel A?	356ø	003ø	022ø	038ø	6/26/00	
3	1102	C	What is the approximate geographic range of Race Rock Light, NY, if your height of eye is 27 feet (8.2 meters)? Refer to Reprints from the LIGHT LISTS AND COAST PILOTS".	9.9 nm	14.3 nm	15.7 nm	17.4 nm	8/29/00	

3	1112	A	Considering the general circulation of the atmosphere, the wind system between latitudes 30° N and 60° N is commonly called the _____.	prevailing westerlies	horse latitudes	tradewinds	subpolar low pressure belts	8/18/00	
3	1115	A	Which light characteristic may be used on a special purpose mark?	Flashing	Occulting	Equal interval	Quick flashing	8/22/00	
3	1129	A	The motion of celestial bodies relative to other celestial bodies is known as _____.	space motion	apparent motion	diurnal motion	actual motion	9/5/00	
3	1131	B	On navigational aids, what does the light characteristic Fl(2+1)" mean?"	A flashing light combined with a fixed light of greater brightness	Light flashes combined in groups, with a different number of flashes in each group	A light showing groups of two or more flashes at regular intervals	A fixed light varied at regular intervals by groups of two or more flashes of greater brightness	8/31/00	
3	1141	C	What is characteristic of an isophase light?	4 sec. flash, 2 sec. eclipse, 3 sec. flash, 2 sec. eclipse	2 sec. flash, 5 sec. eclipse	1 sec. flash, 1 sec. eclipse	6 sec. flash, 3 sec. eclipse	8/31/00	

3	1148	D	The numeral in the center of a wind rose circle on a pilot chart indicates the _____.	total number of observations	average wind force on the Beaufort scale	average wind force in knots	percentage of calms	6/16/00	
3	1151	D	Buoys are marked with reflective material to assist in their detection by searchlight. Which statement is TRUE?	A safe-water buoy will display red and white vertical stripes of reflective material.	All reflective material is white because it is the most visible at night.	A special-purpose mark will display either red or green reflective material to	A preferred-channel buoy displays either red or green reflective material to agree with the	8/31/00	
3	1152	B	When using GPS (Global Positioning System) you may expect your position to be accurate 95% of the time to within a radius of _____.	10 meters	20 meters	50 meters	100 meters	10/4/00	
3	1157	D	How many slack tidal currents usually occur each day on the east coast of the United States?	One	Two	Three	Four	8/22/00	
3	1160	C	What will be the velocity of the tidal current at 0.2 mile SSW of Clason Point, NY, at 1125 on 17 April 1983?	0.5 knot	0.8 knot	1.1 knots	1.9 knots	2/1/01	

3	1161	C	What is characteristic of an occulting light?	1 sec. flash, 2 sec. eclipse, 1 sec. flash, 5 sec. eclipse	5 sec. flash, 5 sec. eclipse	4 sec. flash, 2 sec. eclipse, 3 sec. flash, 2 sec. eclipse	6 sec. flash, 6 sec. eclipse	8/31/00	
3	1171	A	A light that has a light period shorter than its dark period is described as _____.	flashing	pulsating	occulting	alternating	8/31/00	
3	1175	B	Solid green arrows on the main body of a pilot chart indicate _____.	prevailing wind directions	prevailing ocean current directions	probable surface current flow	shortest great circle routes	6/16/00	
3	1177	A	The magnitude of three stars is indicated. Which star is the brightest?	Canopus - 0.9	Vega + 0.1	Antares + 1.2	Cannot be determined; magnitude indicates size not brightness	2/1/01	
3	1181	D	An occulting light is one in which _____.	the period of darkness exceeds the period of light	there is only a partial eclipse of the light	the periods of light and darkness are equal	the period of light exceeds the period of darkness	8/31/00	

3	1188	C	The magnitude of three stars is indicated. Which star is the brightest?	Antares + 1.2	Altair + 0.9	Vega + 0.1	Cannot be determined; magnitude indicates size not brightness	2/1/01	
3	1189	D	Concerning a celestial observation, the azimuth angle is measured from the principal vertical circle to the _____.	Greenwich celestial meridian	hour circle of the body	local celestial meridian	vertical circle of the body	2/1/01	
3	1201	A	What is NOT true concerning color sectors of lights?	Color sectors are expressed in degrees from the light toward the vessel.	Color sectors may indicate dangerous waters.	Color sectors may indicate the best water across a shoal.	Color sectors may indicate a turning point in a channel.	8/31/00	
3	1205	A	How is the annual rate of change for magnetic variation shown on a pilot chart?	Gray lines on the uppermost inset chart	Red lines on the main body of the chart	In parenthesis on the lines of equal magnetic variation	Annual rate of change is not shown.	6/16/00	
3	1211	D	Red sectors of navigation lights warn mariners of _____.	floating debris	heavily trafficked areas	recently sunken vessels	shoals or nearby land	8/31/00	

3	1221	B	On a chart, the characteristic of the light on a lighthouse is shown as flashing white with a red sector. The red sector _____.	indicates the limits of the navigable channel	indicates a danger area	is used to identify the characteristics of the light	serves no significant purpose	8/31/00	
3	1222	D	On entering from seaward, a starboard side daymark will _____.	show a fixed red light if lighted	show a Morse (A) white light	be square in shape	have an even number if numbered	8/29/00	
3	1231	C	Some lights used as aids to marine navigation have a red sector to indicate a danger area. How are the limits of a colored sector of light listed in the Light List?	Geographical positions outlining the area of the sector	True bearings as observed from the light toward a vessel	True bearings as observed from a vessel toward the light	Bearings given in the Light List are always magnetic	8/31/00	
3	1232	A	Entering from seaward, triangular-shaped daymarks are used to mark _____.	the starboard side of the channel	the centerline of the channel	an obstruction where the preferred channel is to starboard	special purpose areas	8/29/00	
3	1241	A	Which picture in illustration D034NG shows a fixed and flashing light?	A	B	C	D	8/31/00	

3	1242	A	Daymarks marking the starboard side of the channel when going towards the sea are _____.	green squares	green triangles	red squares	red triangles	8/29/00	
3	1251	C	A List of Lights entry (L Fl) is a single flashing light which shows a long flash of not less than _____.	1.0 second duration	1.5 seconds duration	2.0 seconds duration	3.0 seconds duration	8/31/00	
3	1252	A	Port side daymarks may be _____.	numbered	octagonal	black and white	of any shape	8/29/00	
3	1261	B	A light having characteristics which include color variations is defined as _____.	switching	alternating	oscillating	fluctuating	8/31/00	
3	1262	D	A safe water daymark has what shape?	Triangular	Diamond	Circular	Octagonal	8/29/00	

3	1269	C	The Light List indicates that a light has a nominal range of 14 miles and is 42 feet (12.7 m) high. If the visibility is 16 miles and your height of eye is 20 feet (6.1 m), at which approximate distance will you sight the light?	20.1 miles	16.0 miles	12.8 miles	7.6 miles	8/29/00	
3	1272	B	What are the colors of a midchannel daymark?	Black and red	Red and white	Green and red	Green and white	8/29/00	
3	1281	C	The time required for a lighted aid to complete a full cycle of light changes is listed in the Light List as the _____.	set	frequency	period	function	8/31/00	
3	1292	A	A triangular daymark would be colored _____.	red	red and white	green	green and white	8/29/00	
3	1301	D	The four standard light colors used for lighted aids to navigation are red, green, white, and _____.	purple	orange	blue	yellow	8/31/00	

3	1302	A	What feature(s) of a daymark is (are) used to identify the beacon upon which it is mounted?	Color and shape	Size	Method of construction	Signal characteristics	8/29/00	
3	1312	A	Which factor(s) determine(s) the charted visibility of a lighthouse's light in clear visibility?	Height and intensity of the light	Height of the light and the observer	Height of the observer and the intensity of the light	Height of the light only	8/29/00	
3	1321	D	A lighthouse can be identified by its _____.	painted color	light color and phase characteristic	type of structure	All of the above	8/31/00	
3	1331	A	When trying to sight a lighthouse you notice a glare from a town in the background. The range at which the light may be sighted due to this glare is _____.	considerably reduced	increased slightly due to extra lighting	unchanged	increased if the light is red or green due to contrast with the glare	8/31/00	
3	1341	B	The height of a light is measured from which reference plane?	Mean low water	Mean high water	Average water level	Geographical sea level	8/31/00	

3	1351	B	Luminous range is the _____.	maximum distance at which a light may be seen in clear weather	maximum distance at which a light may be seen under existing visibility conditions	maximum distance at which a light may be seen considering the height of the light and	average distance of visibility of the light	8/29/00	
3	1361	B	The luminous range of a light takes into account the _____.	glare from background lighting	existing visibility conditions	elevation of the light	observer's height of eye	8/29/00	
3	1381	B	Geographic range is the maximum distance at which a light may be seen under _____.	existing visibility conditions, limited only by the curvature of the Earth	perfect visibility conditions, limited only by the curvature of the Earth	existing visibility conditions, limited only by the intensity of the light	perfect visibility conditions, limited only by interference from background lighting	8/29/00	
3	1401	B	The maximum distance at which a light may be seen under existing visibility conditions is called _____.	nominal range	luminous range	charted range	geographic range	9/5/00	
3	1411	C	The nominal range of a light may be accurately defined as the maximum distance at which a light may be seen _____.	under existing visibility conditions	under perfect visibility	with ten miles visibility	with fifteen miles visibility	8/29/00	

3	1421	B	What is the approximate geographic visibility of an object with a height above the water of 70 feet, for an observer with a height of eye of 65 feet?	16.8 nm	19.0 nm	20.6 nm	22.4 nm	8/29/00	
3	1430	B	The Light List indicates that a light has a nominal range of 14 miles and is 42 feet high (12.8 meters). If the visibility is 6 miles and your height of eye is 20 feet (6.1 meters), at what approximate distance will you sight the light?	20.1 miles	10.0 miles	7.6 miles	6.0 miles	8/29/00	
3	1431	C	A lighthouse is 120 feet (36.6 meters) high and the light has a nominal range of 18 miles. Your height of eye is 42 feet (12.8). If the visibility is 11 miles, approximately how far off the light will you be when the light becomes visible?	12.5 miles	16.0 miles	19.0 miles	23.5 miles	8/29/00	
3	1471	A	A mountain peak charted at 700 feet breaks the horizon, and your height of eye is 12 feet. What is your approximate distance off (choose closest answer)?	34.7 nm	40.3 nm	55.3 nm	61.6 nm	8/29/00	
3	1512	C	You are plotting a running fix. The LOP to be run forward is an arc from a radar range, what technique should be used?	The arc should be converted into a straight line using offsets and then run forward.	An arc should never be run forward.	The position of the object observed should be advanced to the new time and a new arc swung using the	The distance between LOP's should be added to the radar range and a new arc swung.	8/25/00	

3	1547	A	Which light combination does NOT indicate a navigational channel passing under a fixed bridge?	Red lights on the LDB and green lights on the RDB	Three white lights in a vertical line	Two green lights in a range under the span	A fixed red light on each pier at the channel edge	8/29/00	
3	1565	B	Determine the approximate geographic visibility of an object, with a height above the water of 85 feet (25.9 meters), for an observer with a height of eye of 60 feet (18.3 meters).	18.4 nm	19.9 nm	20.8 nm	21.5 nm	8/29/00	
3	1568	D	You are approaching a vertical lift bridge. You know the span is fully open when _____.	three white lights in a vertical line are lit	a red light starts to flash at about 60 times a minute	a yellow light is illuminated on the bridge pier	there is a range of green lights under the lift span	8/29/00	
3	1595	D	The Light List indicates that a light has a nominal range of 8 miles and is 48 feet(14.6 meters) high. If the visibility is 6 miles and your height of eye is 35 feet(10.7 meters), at what approximate distance will you sight the light?	15.0 nm	12.4 nm	8.0 nm	5.9 nm	8/29/00	
3	1610	A	When the navigational channel passes under a fixed bridge, the edges of the channel are marked on the bridge with what lights?	Red lights	Three white lights in a vertical line	Red lights on the LDB and green lights on the RDB	Yellow lights	8/29/00	

3	1618	A	The Light List indicates that a light has a nominal range of 14 miles and is 26 feet high. If the visibility is 4 miles and your height of eye is 20 feet, at what approximate distance will you sight the light?	7.5 miles	9.6 miles	11.2 miles	14.0 miles	8/29/00	
3	1750	D	Clearance gauges at bridges indicate _____.	the height of the tide	depth of water under the bridge	charted vertical clearance at mean low water	distance from the water to low steel of the bridge	8/29/00	
3	1779	B	The Light List indicates that a light has a nominal range of 14 miles and is 26 feet high. If the visibility is 14 miles and your height of eye is 20 feet, at which approximate distance will you sight the light?	7.5 miles	11.2 miles	14.0 miles	18.1 miles	8/29/00	
3	1806	A	Sometimes foreign charts are reproduced by NIMA. On such a chart a wire dragged (swept) area may be shown in purple or _____.	green	red	magenta	yellow	6/16/00	
3	1808	A	A white buoy with an open-faced orange diamond on it indicates _____.	danger	vessels are excluded from the area	the buoy is a mooring buoy	operating restrictions are in effect	8/29/00	

3	1826	B	Illustration D036NG represents a fixed C of E lock and dam. What navigational light(s) is(are) exhibited at the position indicated by the letter D in the illustration?	One red light	Two green lights	Three green lights	No light	8/30/00	See illustration number D036NG
3	1866	A	What term is used to describe a tank barge constructed with the structural framing inside the cargo tank and the side shell plating containing the cargo?	Single hull	Shell plated	Hopper type	Independent tank	8/30/00	
3	1870	B	A vessel heading SW is on a course of _____.	202.5ø	225.0ø	247.5ø	270.0ø	6/30/00	
3	1885	A	Under the Uniform State Waterway Marking System a mooring buoy is painted _____.	white with a blue band	yellow	any color that does not conflict with the lateral system	white with a green top	8/29/00	
3	1887	D	The Light List indicates that a light has a nominal range of 10 miles and is 11 feet high. If the visibility is 15 miles and your height of eye is 20 feet, at what approximate distance will you sight the light?	12.0 miles	11.0 miles	10.0 miles	9.0 miles	8/29/00	

3	1902	C	Under the numbering system used by NIMA, a four digit number is used for _____.	large scale charts of infrequently navigated areas such as the polar regions	charts of rivers or canal systems such as the Ohio River or Erie Canal	non-navigational materials, such as a chart correction template or maneuvering board	foreign charts reproduced by NIMA	6/16/00	
3	1940	C	The diameter of the Sun and Moon as seen from the Earth varies slightly but averages about _____.	1'	52'	32'	15.5'	9/18/00	
3	1996	B	When approaching a lock entrance, the visual signal displayed when a single lock is ready for entrance is a flashing _____.	red light	green light	amber light	white light	8/30/00	
3	2002	C	What term is used to describe a river barge designed to carry coal or any similar cargo not requiring weather protection?	Single skin	Double skin	Open hopper	Deck barge	7/6/00	
3	2004	D	The velocity of the wind, its steady direction, and the amount of time it has blown determines a wind driven current's _____.	temperature	density	deflection	speed	7/5/00	

3	2008	B	What term is used to describe a tank barge constructed with the structural framing outside the cargo tank and the cargo tank plating separated from the shell plating?	Shell plated	Double hull	Hopper type	Independent tank	8/7/00	
3	2014	B	Which stock number indicates a NIMA chart designed for coastwise navigation outside of outlying reefs and shoals?	19BCO19243	WOPGN530	LCORR5873	14XCO14902	6/16/00	
3	2028	C	Which stock number indicates a NIMA chart designed for navigation and anchorage in a small waterway?	WOAZC17	LCORR5876	15XHA15883	PILOT55	6/16/00	
3	2048	A	You are upbound approaching a lock and dam and see two green lights in a vertical line. This indicates _____.	the downstream end of an intermediate wall	that a double lockage is in progress	the downstream end of the land wall	the navigable pass of a fixed weir dam	8/30/00	
3	2052	A	Under the chart numbering system used by NIMA, the first digit of a multi-digit number indicates _____.	the general geographic area	the general scale of the chart	whether it is a major or minor chart	the projection used to construct the chart	6/16/00	

3	2054	D	The diagram is of a fixed C of E lock and dam. What navigational light(s) is(are) exhibited at the position indicated by the letter B?	One red light	Two green lights	Three green lights	No lights	8/30/00	See illustration number DO38NG
3	2062	A	The Illustration represents a fixed C of E lock and dam. What navigational light(s) is(are) exhibited at the position indicated by the letter F in the illustration?	One red light	Two red lights	Two green lights	Three green lights	8/30/00	See illustration number DO38NG
3	2067	A	The Light List indicates that a light has a nominal range of 10 miles and is 11 feet high. If the visibility is 5 miles and your height of eye is 20 feet, at what approximate distance will you sight the light?	6.3 miles	7.4 miles	8.4 miles	9.0 miles	8/29/00	
3	2082	A	You are holding position above Gallipolis Lock and Dam when you hear two long blasts of the horn from the lock. This indicates that you should _____.	enter the riverward lock	hold position until two more upbound tows have locked through	enter the landward lock	hold position until the lower gates are closed	8/30/00	
3	2085	A	Information about major breakdowns, repairs, or other emergency operations with regard to weirs and (or) wicket dams, on the western rivers, may be obtained from the _____.	Broadcast Notice to Mariners	Light List Vol. V	U.S. Coast Pilot	Sailing Directions	8/30/00	

3	2087	C	The Light List indicates that a light has a nominal range of 20 miles and is 52 feet (16 meters) high. If the visibility is 20 miles and your height of eye is 20 feet (6 meters), at what approximate distance will you sight the light?	33.0 nm	20.0 nm	13.5 nm	8.5 nm	8/29/00	
3	2090	A	You are underway in an area where the charted depth is 8 fathoms. You compute the height of tide to be -4.0 feet. The draft of your vessel is 5.0 feet (1.52 meters). You determine the depth of the water beneath your keel to be _____.	39 feet (11.9 meters)	43 feet (13.1 meters)	47 feet (14.3 meters)	57 feet (17.4 meters)	1/10/01	
3	2101	A	Information about major breakdowns, repairs, or other emergency operations with regard to weirs and (or) wicket dams, on the western rivers, may be obtained by consulting the _____.	Broadcast Notice to Mariners	Light List Vol. V	U.S. Coast Pilot	All of the above	8/30/00	
3	2113	A	Vessels regularly navigating rivers above Cairo, Illinois, shall at all times have on board a copy of _____.	U.S. Army Corps of Engineers Regulations (Blue Book)	Nautical Almanac for the year	Sailing Directions	Light List Vol. V	8/30/00	
3	2119	A	Which stock number indicates a NIMA chart designed for fixing positions at sea and DR plotting while on a long voyage?	WOAGN520	PILOT16	16BCO16212	WOPZC5245	6/16/00	

3	2131	A	The white lights in a vertical line on a multiple-span bridge indicate _____.	the main channel	the draw span is inoperable	the river is obstructed under that span	scaffolding under the span is reducing the vertical clearance	8/29/00	
3	2137	C	From May through September a row of flashing amber (yellow) lights across the Illinois River at Peoria would indicate that _____.	construction is in progress	dredging is in progress	wicket dams are raised	wicket dams are lowered	8/30/00	
3	2141	C	What lights would you see on the Illinois water way when any wickets of the dam or bear traps are open, or partially open, which may cause a set in the current conditions in the upper lock approach?	Red over green	Green over red	Red over amber (yellow)	Green over amber (yellow)	8/30/00	
3	2146	C	What lights would you see on the Illinois water way when any wickets of the dam or bear traps are open, or partially open, which may cause a set in the current conditions in the upper lock approach?	Green over red	Red over blue	Red over amber (yellow)	None of the above	8/30/00	
3	2167	C	Diagram number D037NG represents a movable dam. If there is high water and the wickets are down so that there is an unobstructed navigable pass through the dam, what light(s) will be shown at B if the lock walls and piers are not awash?	One red light	Two red lights	Three red lights	One amber light	8/30/00	

3	2177	D	Diagram Number D037NG represents a movable dam. If there is high water and the wickets are down so that there is an unobstructed navigable pass through the dam, what light(s) will be shown at D if the lock walls and piers are not awash?	One amber light	Three red lights	Two red lights	One red light	8/30/00	
3	2187	D	Diagram number D037NG represents a movable dam. If there is high water and the wickets are down so that there is an unobstructed navigable pass through the dam, what light(s) will be shown at D if the lock walls and piers are not awash?	No lights	Three red lights	Two red lights	One red lights	8/30/00	
3	2207	C	Yesterday your chronometer read 11h 59m 58s at the 1200 GMT time tick. Today your chronometer reads 12h 00m 00s at the 1200 time tick. What is the chronometer rate?	Nil	12h	+2s	-2s	3/7/01	
3	2240	D	If you observe a buoy off station you should _____.	fill out and mail CG Form 2692 to the nearest Coast Guard office	appear in person at the nearest Coast Guard office	notify Coast Guard Headquarters in Washington, DC	immediately contact the nearest Coast Guard office by radiotelephone	8/29/00	
3	2277	C	The Light List indicates that a light has a nominal range of 20 miles and is 52 feet high. If the visibility is 12.0 miles and your height of eye is 20 feet, at what approximate distance will you sight the light?	21.5 miles	20.0 miles	13.7 miles	12.0 miles	8/29/00	

3	2317	A	The Light List indicates that a light has a nominal range of 13 miles and is 36 feet high (11.0 meters). If the visibility is 7.0 miles and your height of eye is 25 feet (7.6 meters), at what approximate distance will you sight the light?	10.0 miles	12.9 miles	14.2 miles	17.0 miles	8/29/00	
3	2320	C	The type of current which will have the greatest effect on the course made good for your vessel is _____.	one flowing in the same direction as your course steered	one flowing in the opposite direction as your course steered	one that flows at nearly right angles to your course steered	a rotary current in which the direction of current flow constantly changes	8/29/00	
3	2335	B	The Light List indicates that a light has a nominal range of 13 miles and is 36 feet high. If the visibility is 17 miles and your height of eye is 25 feet, at what approximate distance will you sight the light?	10.0 miles	12.9 miles	14.2 miles	17.0 miles	8/29/00	
3	2380	D	The navigation regulations applicable to a U.S. inland waterway can be found in the _____.	Notices to Mariners	Channel Reports	Sailing Directions	Coast Pilots	8/30/00	
3	2390	A	You are in a channel in U.S. waters near an industrial plant with a load/discharge facility for barges. You hear a siren being sounded at the facility. What does this indicate?	There is danger at the facility due to a fire or cargo release.	A towboat with a hazardous cargo barge is being moved to or from the facility.	The facility is warning a barge to shut down transfer operations due to weather conditions	A barge at the facility has commenced loading or discharging operations.	8/30/00	

3	2400	D	You are in a channel in U.S. waters near an industrial plant with a load/discharge facility for barges. You see an emergency rotating flashing light on the facility light up. What does this indicate?	A barge at the facility has commenced transferring a hazardous cargo.	A barge carrying a hazardous cargo is mooring or unmooring at the facility.	The facility is warning a barge to shut down transfer operations due to weather conditions	There is danger at the facility due to a fire or cargo release.	8/30/00	
3	2409	D	You are approaching the first of two drawbridges that span a narrow channel. The second drawbridge is close to the first. Which signals should you sound?	Sound the request-for-opening signal for the first bridge only, who will notify the second	Sound the request-for-opening signal twice in succession to indicate you must pass	Sound the request-for-opening signal, pause for about 10 seconds, then sound two prolonged	Sound the request-for-opening signal and, after the bridge acknowledges it, sound the	8/29/00	
3	2410	B	A facility used for the discharge of a cargo of a particular hazard, such as chlorine, butane or ethane, must have what to warn water traffic of an immediate danger during fire or cargo release?	An emergency boat and crew	A siren or rotating flashing light	Flashing red lights located one-half mile upstream and downstream of the facility	Buoys with flashing lights controlled from shore, located one-half mile upstream and downstream of	8/30/00	
3	2418	B	While proceeding downriver, you sight a red triangular-shaped daymark on the left bank. Under the U.S. Aids to Navigation System on the Western Rivers this is a _____.	special purpose signal	passing daymark	mark with no lateral significance	crossing daymark	7/5/00	
3	2426	D	You are in charge of a power-driven vessel crossing a river on the Western Rivers. You must keep out of the way of _____.	a sail vessel descending the river	a power-driven vessel ascending the river	a vessel restricted in its ability to maneuver crossing the river	All of the above	8/30/00	

3	2454	B	Illustration D037NG represents a moveable dam. If the wickets are down and there are open weirs due to high water, what light(s) will be shown at C if the lock walls and piers are not awash?	One red light	Two red lights	Three red lights	One amber light	8/30/00	See illustration number D037NG
3	2458	B	In the U.S. Aids to Navigation System on the Western Rivers, the light characteristic of group flashing (2) is used for lights on _____.	the right descending bank	the left descending bank	preferred channel buoys	daymarks with no lateral significant	8/30/00	
3	2459	D	The controlling depth of the river is _____.	the minimum depth of the river prescribed in the channel maintenance program	the edge of a dredged channel	the highest level to which the river may rise without flooding	the least available water in a channel which limits the draft of boats and tows	8/30/00	
3	2488	B	In which publication could you find information concerning the minimum lighting required for bridges on U.S. waters?	Chart No. 1.	Code of Federal Regulations	Mississippi River Systems Light List	Notice to Mariners	8/29/00	
3	2509	C	All persons or vessels within the lock area, including the lock approach channels, come under the authority of the _____.	dockmaster	dock captain	lockmaster	lock foreman	8/30/00	

3	2529	B	A bridge over a navigable waterway is being repaired. There is a traveller platform under the bridge's deck that significantly reduces the vertical clearance. If required by the CG district commander, how will this be indicated at night?	Illumination by flood lights	A quick flashing red light at each lower corner	A strobe light visible both up and downstream	Fixed amber lights under the extreme outer edges of the traveller	8/29/00	
3	2544	B	At McAlpine L & D, normal upper pool elevation is 420.0 feet MSL, equal to 12.0 feet on the upper gage. The vertical clearance at the Clark Memorial Highway bridge is 72.6 feet above normal pool. What is the clearance if the gage reads 27.2	25.4 feet	57.4 feet	60.6 feet	72.6 feet	8/30/00	
3	2546	A	A structure, usually made of stone, or cement pilings, which extends from the bank at approximately right angles to the current is called a _____.	dike	revetment	cutoff	crib	8/30/00	
3	2569	D	The mean sun used to measure time moves _____.	along the ecliptic at 15ø per hour	along the celestial equator at 15ø per day	along the ecliptic at 15ø per day	along the celestial equator at 15ø per hour	8/22/00	
3	2588	A	You are approaching an open drawbridge and sound the proper signal. You receive no acknowledgment from the bridge. Which action should you take?	Approach with caution and proceed through the open draw.	Approach under full control to a position no closer than 400 yards from the bridge and await a signal from the	Hold in the channel as a vessel is closing the bridge from the other direction.	Resound the opening signal and do not pass through the bridge until signals have been	8/29/00	

3	2628	B	A drawbridge may use visual signals to acknowledge a vessel's request to open the draw. Which signal indicates that the draw will NOT be opened immediately?	A flashing amber light	A fixed red light	A white flag raised and lowered vertically	A flashing white light	8/29/00	
3	2629	D	In both regions of the IALA buoyage system, which topmark is used on a special mark?	A	B	C	D	3/21/01	See illustration number D022NG
3	2632	A	A section of the river that is narrower than usual and is often navigable from bank to bank is a _____.	chute	stabilized channel	slough	navigable pass	8/30/00	
3	2638	D	A vessel crossing a river on the Western Rivers has the right of way over _____.	vessels ascending the river	vessels descending the river	all vessels ascending and descending the river	None of the above	8/30/00	
3	2666	B	The following boats are approaching a lock. Which has priority for locking?	An 85-foot yacht	Corps of Engineer towboat running empty-headed	Delta Queen" (passenger vessel)"	An integrated chemical tow	8/30/00	

3	2668	B	You are approaching a drawbridge and have sounded the request-for-opening signal. The bridge has responded with five short blasts. What reply should you sound?	None; No reply is required	Five short blasts	Two prolonged blasts	One prolonged, one short blast	8/29/00	
3	2674	D	In the U.S. Aids to Navigation System on the Western Rivers, a preferred channel buoy to be left to port while proceeding downstream will _____.	have the upper band red	show a red light if lighted	have a characteristic of composite group flashing if lighted	All of the above	8/30/00	
3	2676	D	The place where a channel moves from along one bank of the river over to the other bank of the river is called a _____.	draft	cutoff	draw	crossing	8/30/00	
3	2679	A	Under the U.S. Aids to Navigation System on the Western Rivers, a daymark on the right descending bank will _____.	be green	have an odd number	indicate the gage reading	have yellow retroreflective markings	8/30/00	
3	2704	D	The Light List shows a lighted aid to navigation on the right bank. This means that the light can be seen on the starboard side of a vessel _____.	proceeding from seaward	crossing the river	ascending the river	descending the river	8/30/00	

3	2708	D	You are approaching a drawbridge and have sounded the proper whistle signal requesting it to open. You hear a signal of one prolonged and one short blast from the bridge. Which action should you take?	Anchor or use an alternate route because the bridge is out of service for an extended period of time.	Approach to a point not closer than 400 yards (360 meters) from the bridge and await further	Hold in the channel as the bridge will open within 15 minutes.	Approach under full control to pass through the bridge.	8/29/00	
3	2716	D	Under the U.S. Aids to Navigation System on the Western Rivers, passing daymarks on the left descending bank are _____.	green squares	green diamonds	red diamonds	red triangles	8/30/00	
3	2724	A	Which condition indicates that your radar needs maintenance?	Serrated range rings	Indirect echoes	Multiple echoes	Blind sector	8/16/00	
3	2726	B	A daymark used as a special mark is indicated by what letter in illustration D045NG?	A	B	C	D	8/29/00	
3	2739	D	A daymark used to indicate the starboard side of the channel when approaching from seaward will have the shape indicated by what letter in illustration D045NG?	A	B	C	D	8/29/00	

3	2742	B	A white diamond daymark with an orange border is a(n) _____.	special mark	information or regulatory mark	lateral aid on the intracoastal waterway	safe water mark	8/29/00	
3	2750	B	When pushing a tow and approaching barges tied off to the shore, you should _____.	increase speed so you will pass faster	decrease speed while passing so you won't create a suction	do nothing different as the barges should be tied off properly	move to the opposite side of the channel from the barges and increase speed	8/30/00	
3	2752	C	A daymark used to indicate the safe water in a channel will have the shape indicated by which letter in illustration D045NG?	A	B	C	D	8/29/00	
3	2764	D	You are in a channel inbound from sea. A daymark used to mark a channel junction when the preferred channel is to port will have the shape indicated by what letter in illustration D045NG?	A	B	C	D	8/29/00	
3	2768	C	Which type of daymark is used to mark the starboard side of the channel when entering from sea?	Red and white octagon	Black and white diamond	Red triangle	Green square	8/29/00	

3	2769	D	If your vessel must pass through a draw during a scheduled closure period, what signal should you sound to request the opening of the draw?	One prolonged blast followed by one short blast	Three short blasts	One prolonged blast followed by three short blasts	Five short blasts	8/29/00	
3	2772	A	The direction in which a vessel should be steered between two points is the _____.	course	heading	bearing	course over the ground	8/29/00	
3	2778	D	A special daymark is a _____.	red-and-white octagon	daymark with a yellow stripe on it	green square	yellow diamond	8/29/00	
3	2788	D	The Light List indicates that a dayboard is a type KGW. You should _____.	see a green and white diamond	leave it to port when southbound on the Atlantic Coast ICW	pass it close aboard on either side	look for another daymark to form the range	8/29/00	
3	2790	B	A towboat has the same draft as the barges it is pushing ahead. If the distance from the stern of the towboat to the head of the tow is 800 feet, where is the approximate location of the pivot point of the unit?	At the head of the tow	250 feet from the head of the tow	400 feet from the head of the tow	600 feet from the head of the tow	8/30/00	

3	2798	A	A can buoy is indicated by which letter in illustration D044NG?	A	B	C	D	8/29/00	
3	2802	B	The pictures shown represent the geographic location of a vessel and the radar presentation at the same time. Which statement is TRUE?	Ship No. 1 does not paint as an individual target due to the effect of pulse length.	The small island is not detected due to shadow effect of the mountain.	A target bearing of the headland to the south-southeast is corrected by adding one-half of the beam	Ship No. 2 is not detected due to the reflective mass of the mountain overpowering the ship's	8/16/00	See illustration number D011NG
3	2828	B	The daily recurring pattern of pressure changes most noticeable in low latitudes is the _____.	daily lapse reading	diurnal variation of pressure	pressure tendency	synoptic pressure	8/18/00	
3	2830	C	The proper way to approach a downstream lock where there is an outdraft is to be _____.	wide out from the land wall, keeping the stern in at all times	wide out from the land wall, keeping the stern out at all times	close in to the land wall, keeping the stern in at all times	close in to the land wall, keeping the stern out at all times	8/30/00	
3	2832	A	The Light List indicates that a dayboard is a type MR. You should _____.	leave it on either side	look for the other dayboard forming the range	look for an all red daymark	check to enter the correct channel at this junction daymark	8/29/00	

3	2836	D	The correction tables in the front of the Nautical Almanac for use with sun sights do NOT include the effects of _____.	mean refraction	parallax	semidiameter	irradiation	11/6/00	
3	2842	B	The drawspan of a floating drawbridge may be marked with _____.	two white lights	a yellow diamond	flashing blue lights	three red lights on each side of the draw	8/29/00	
3	2846	D	Which type of daymark is used to mark the port side of the channel when entering from sea?	Red and white octagon	Black and white diamond	Red triangle	Green square	8/29/00	
3	2852	B	A daymark warning of a danger will have the shape indicated by what letter in illustration D045NG?	A	B	C	D	8/29/00	
3	2870	C	Steam fog is most likely to occur on the Mississippi and Ohio Rivers in _____.	spring, around late evening	spring, around early evening	fall, around early morning	fall, around midday	8/30/00	

3	2874	C	What daymark has NO lateral significance?	Red triangle	Red triangle with a green horizontal stripe	Green and white diamond	Green square	3/15/01	
3	2876	B	On 13 November 1981 you observe a back sight of the upper limb of the Sun as seen through the sextant's scope. The sextant altitude (hs) is 109°23.6'. The height of eye is 66 feet, and the index error is 2.0' off the arc. What is the observed altit	71°01.2'	70°57.2'	70°45.4'	70°26.4'	9/18/00	
3	2884	A	The pictures shown represent the geographic location of a vessel and the radar presentation at the same time. Which statement is TRUE?	Ship No. 1 does not appear as an individual target due to the effect of beam width.	Small island is not detected due to the multiple echo effect from the mountain.	A tangent bearing of the headland to the south-southeast is corrected by subtracting one-half of the beam	Ship No. 2 is not detected due to the side lobe effect of radar reflecting from the mountain.	8/16/00	See illustration number D011NG
3	2892	C	The Light List indicates that a dayboard is a type NB. You should _____.	see a black triangle	look for another daymark forming a range	expect a daymark of no lateral significance	check to enter the correct channel at the junction daymark	8/29/00	
3	2896	B	You are navigating in pilotage waters. The maximum time between fixes should be about _____.	5 minutes	30 minutes	1 hour	4 hours	7/6/00	

3	2900	D	Who should be consulted for changing conditions of controlling depths in major channels?	U.S. Coast Guard	National Imagery and Mapping Agency	National Ocean Survey	U.S. Army Corps of Engineers	8/30/00	
3	2902	C	The direction a vessel is pointed at any given time is the _____.	course	track	heading	course over the ground	8/29/00	
3	2908	A	A daymark used to indicate the port side of the channel when approaching from seaward is indicated by what letter in illustration D045NG?	A	B	C	D	8/29/00	
3	2914	D	A daymark with red and green bands, with red uppermost, will have the shape indicated by which letter in illustration D045NG?	A	B	C	D	8/29/00	
3	2918	B	Which agency maintains federal aids to navigation?	Corps of Engineers	Coast Guard	National Ocean Service	Maritime Administration	8/29/00	

3	2922	B	The Light List indicates that a dayboard is a type TR-SY. You should _____.	look for a dayboard of type TR-TY to form a range	leave it to port when southbound on the Atlantic portions of the ICW	pass it close aboard on either side	expect a daymark with no lateral significance	8/29/00	
3	2930	B	How is a navigation light identified on an Army Corps of Engineers navigation map?	Name and light characteristic	Name and miles from a reference point	Light characteristic and miles A.H.P.	None of the above	8/30/00	
3	2932	B	If the main channel under a bridge is marked with lights of the lateral system the adjacent bridge piers should be marked with _____.	occulting white lights	fixed yellow lights	fixed white lights	flashing yellow lights	8/29/00	
3	2936	C	Information on search and rescue procedures and special, local communications used in Mexican waters will be found in the _____.	World Port Index	International Code of Signals (Pub 102)	Sailing Directions (Planning Guides)	International Aeronautical and Maritime Search and Rescue Manual	6/16/00	
3	2958	D	Drawbridges equipped with radiotelephones display a _____.	day signal of a yellow diamond marked with the call sign	white sign with the number 16 and the call sign on it	black and white diamond marked with RT 16	blue and white sign showing the radio's channels	8/29/00	

3	2960	A	What is NOT found in the Mississippi River System Light List?	Distance that a lighted aid to navigation can be seen at night	Distance between major points on the Mississippi River	A color plate showing the details of the aids to navigation used on the Mississippi River	Times of Coast Guard broadcasts concerning river stages	8/30/00	
3	2964	D	The pictures shown represent the geographic location of a vessel and the radar presentation at the same time. Which statement is TRUE?	Ship No. 1 does not paint as an individual target due to the side lobe affect.	The small island is not detected due to the limitation caused by the pulse length.	A tangent bearing of the headland to the south-southeast is corrected by subtracting one-half of the beam	Ship No. 2 is not detected due to the combined affects of beam width and pulse length.	8/16/00	See illustration number D011NG
3	2969	B	A red triangular daymark marks_____.	the centerline of a navigable channel	the starboard side of a channel	a prominent object of navigational interest that has no lateral significance	area of a channel where passing another vessel is permitted	8/29/00	
3	2972	A	You are in a channel inbound from sea. A daymark used to mark a channel junction when the preferred channel is to starboard will have the shape indicated by what letter in illustration D045NG?	A	B	C	D	8/29/00	
3	2974	B	What daymark shape is used in the lateral system?	Semicircle	Triangle	Pentagon	Diamond	8/29/00	

3	2984	D	What two shapes indicated in illustration D045NG are used to indicate a preferred channel?	A and B	B and C	C and D	A and D	8/29/00	
3	3012	A	The drawspan of a floating drawbridge may be marked with _____.	a yellow light showing Morse Code (B)	a yellow and white diamond	flashing blue lights	three red lights on each side of the draw	8/29/00	
3	3020	B	A mooring buoy, if lighted, shows which color light?	Yellow	White	Blue	Any color except red or green	8/29/00	
3	3022	A	A gree-and-red banded daymark, green band uppermost, will have the shape shown at letter _____.	A	B	C	D	8/29/00	See illustration number D045NG
3	3028	D	The channel under a bridge is marked with aids from the lateral system. The centerline of the channel is marked on the bridge with _____.	a yellow triangle	three white lights	a black-and-white diamond	a red-and-white octagon	8/29/00	

3	3036	B	Which daymark has no lateral significance?	Square; top half green and bottom half red	Black and white diamond	Red triangle	Green square	8/29/00	
4	4	A	A green signal, floating in the air from a parachute, about 300 feet above the water, indicates that a submarine ____.	has fired a torpedo during a drill	will be coming to the surface	is on the bottom in distress	is in distress and will try to surface	8/17/00	
4	10	B	What is the definition of transverse metacenter?	The distance between the actual center of gravity and the maximum center of gravity that will	The point to which G may rise and still permit the vessel to possess positive stability.	The sum of the center of buoyancy and the center of gravity.	The transverse shift of the center of buoyancy as a vessel rolls.	7/3/00	
4	12	B	The purpose of inert gas systems aboard tank vessels is to ____.	allow sufficient oxygen in the tank to sustain life	prevent outside air from entering the tank	provide increase in cargo discharge pressure	comply with double hull pollution prevention regulations	5/9/00	
4	14	B	A yellow signal floating in the air from a small parachute, about 300 feet above the water, would indicate that a submarine _____.	has fired a torpedo during a drill	is about to rise to periscope depth	is on the bottom in distress	is disabled and unable to surface	8/17/00	

4	18	C	When giving mouth-to-mouth rescue breathing to an adult, you should breathe at the rate of how many breaths per minute?	4	8	12	20	6/21/00	
4	20	A	If the vertical center of gravity (VCG) of a ship rises, the righting arm (GZ) for the various angles of inclination will _____.	decrease	increase	remain unchanged	be changed by the amount of GG' x cosine of the angle	7/5/00	
4	22	D	An inert gas system installed on a tanker is designed to _____.	aid in the stripping and cleaning of cargo tanks	increase the rate of discharge of cargo	force toxic and explosive fumes from a cargo tank to vent to the outside atmosphere	lower the oxygen levels inside cargo tanks, making explosion nearly impossible	5/9/00	
4	34	D	Which single-letter sound signal(s) may only be made in compliance with the Rules of the Road?	D	E	S	All of the above	10/20/00	
4	42	B	The advantages of using an inert gas system on a tank vessel is that it provides _____.	for faster loading	tank atmosphere with low oxygen content	better fuel economy	All of the above	5/16/00	

4	52	A	Which statement is TRUE concerning inert gas systems on tank vessels?	Flue gases from the ship's boilers are used in some systems.	Helium is the preferred inert gas.	Using the system accelerates the rusting of the tanks.	All of the above	5/9/00	
4	59	D	Where on your vessel shall the recharge for each self-contained breathing apparatus be carried?	Emergency gear locker	Bridge or pilothouse area	Where they can be readily found	The same location as the equipment it reactivates	5/30/00	
4	62	C	The deck water seal of the inert gas system _____.	cools the inert gas and prevents soot from entering the cargo tanks	acts as an emergency system shutdown when the inlet pressures exceed the	prevents the backflow of hydrocarbon gasses into nonhazardous areas	relieves sudden large overpressures in the system	5/16/00	
4	70	D	What represents the center of gravity?	GZ	M	B	G	8/8/00	See illustration number D001SA
4	80	B	What represents the metacentric height?	M	GM	BM	GZ	8/8/00	See illustration number D001SA

4	90	B	Refer to illustration D001SA. Which represents the righting arm?	GM	GZ	BM	Angle MGZ	8/8/00	
4	122	B	A negative metacentric height _____.	will always cause a vessel to capsize	should always be immediately corrected	always results from off-center weights	All of the above are correct	8/8/00	
4	125	A	Addition of weight to a vessel will ALWAYS _____.	reduce reserve buoyancy	increase righting moments	increase GM	All of the above	7/3/00	
4	140	A	Which statement is TRUE of a stiff vessel?	She will have a large metacentric height.	Her period of roll will be large due to her large metacentric height.	She will have an unusually high center of gravity.	She will pitch heavily.	7/5/00	
4	146	B	A shipmate suffers a heart attack and stops breathing. You must _____.	administer oxygen	immediately check his pulse and start CPR	make the victim comfortable in a bunk	immediately give a stimulant, by force if necessary	1/31/01	

4	181	C	Gas masks, that use canisters, _____.	should be worn while fighting a fire	can be used in atmospheres deficient in oxygen	filter contaminants from air that is to be breathed	may be substituted for a self-contained breathing apparatus	5/30/00	
4	221	B	Which statement about the free surface effect is TRUE?	It increases in direct proportion to the length of the tank times the breadth squared.	It decreases at increased angles of heel due to pocketing when a tank is 90% full.	It decreases in direct proportion to increasing specific gravity of the liquid in the	In practice, the correction is considered to be a virtual reduction of KG.	7/7/00	
4	230	D	Initial stability of a vessel may be improved by _____.	removing loose water	adding weight low in the vessel	closing crossover valves between partly filled double bottom tanks	All of the above	7/3/00	
4	239	D	Which statement about the free surface correction is TRUE?	It is added to GM at light drafts and subtracted at deep drafts.	It is increased if the slack tank is not on the centerline.	It is decreased if the slack tank is below the KG of the vessel.	The correction decreases as the draft increases due to loading dry cargo.	7/5/00	
4	243	C	Which statement concerning storm oil is CORRECT?	It has a moderate effect in surf.	It is most effective in shallow water.	It reduces friction between wind and water.	Mineral oil is the most suitable type.	10/20/00	

4	248	D	You are treating a shipmate with a compound fracture of the lower arm. Which action should you take?	Apply a tourniquet to control bleeding then align the bones and splint.	Apply traction to the hand to keep the bones in line, splint, and apply a pressure dressing.	Force the ends of the bones back into line, treat the bleeding, and splint.	Apply a bulky, sterile, pressure dressing to control bleeding, then apply a temporary	2/21/01	
4	251	A	Free communication effect is in direct proportion to _____.	length and width of space	length of space only	width of space only	neither length nor width	7/7/00	
4	259	C	What does NOT affect the value of the free surface correction?	Width of the tank	Length of the tank	Registered tonnage	Specific gravity of the liquid in the tank	8/18/00	
4	282	B	The difference in water spray pattern between the high-velocity tip and low-velocity applicator used with the all-purpose nozzle is due to _____.	a difference in water pressure	the method of breaking up the water stream	the length of the applicator	All of the above	8/7/00	
4	288	C	A negative metacentric height _____.	will always cause a vessel to capsize	always results from off-center weights	should always be immediately corrected	All of the above are correct	8/8/00	

4	299	B	Which of the following statements relating to AMVER (Automated Mutual-assistance Vessel Rescue) is TRUE?	An AMVER participant is under greater obligation to render assistance to a vessel in distress	There is no cost to the ship or owner for messages sent within the AMVER system.	An AMVER participant is not relieved of the obligation to give 24 hour advance notice to the U.S.	The AMVER system does not reduce the time lost for vessels responding to calls for assistance.	6/21/00	
4	301	A	Which factor has the greatest effect on the value of the free surface correction?	The width of the tank	The length of the tank	The draft of the vessel	The specific gravity of the liquid in the tank	8/18/00	
4	309	D	Life jackets should be marked with the _____.	maximum weight allowed	stowage space assigned	vessel's home port	vessel's name	7/5/00	
4	312	B	The spray of water in low-velocity fog will have _____.	greater range than high-velocity fog	lesser range than high-velocity fog	about the same range as high-velocity fog	greater range than a solid stream	8/7/00	
4	333	B	Which statement is TRUE concerning life preservers (Type I personal flotation devices)?	Buoyant vests may be substituted for life jackets.	Life preservers are designed to turn an unconscious person's face clear of the water.	Life preservers must always be worn with the same side facing outwards to float properly.	Lightly stained or faded life jackets will fail in the water and should not be used.	7/6/00	

4	339	C	If a firefighting situation calls for low-velocity fog you would _____.	order the engine room to reduce pressure on the fire pump	put the lever on an all-purpose fire nozzle all the way forward	attach a low-velocity fog applicator with the nozzle shut down	put the lever on an all-purpose fire nozzle all the way back	8/7/00	
4	345	B	A 100-GT vessel, constructed before July 1,1974, is loading diesel fuel. What is the minimum capacity of the drip pans required for placement under or around each fuel tank vent, overflow, and fill pipe?	1 gallon	5 gallons	1 barrel	2 barrels	7/6/00	
4	350	C	The most detrimental effect on initial stability is a result of liquids _____.	flowing from side to side within the vessel	flowing from fore to aft within a vessel	flowing in and out of a holed wing tank	pocketing in a slack tank as a vessel heels	7/7/00	
4	353	B	When a sea anchor is used in landing stern first in a heavy surf, headway is checked by _____.	slacking the tripping line and towing the sea anchor from the stern	slacking the tripping line and towing the sea anchor by the holding line	towing with the tripping line and leaving the holding line slack	towing the apex end forward with the tripping line	2/14/01	
4	354	C	The distress message of a ship should include considerable information which might facilitate the rescue. This information should _____.	ALWAYS be included in the initial distress message	be sent to a Coast Guard station FIRST	be transmitted as a series of short messages, if time allows	include the vessel's draft	4/19/00	

4	355	A	The center of flotation of a vessel is the point in the waterplane _____.	about which the vessel lists and trims	which coincides with the center of buoyancy	which, in the absence of external forces, is always vertically aligned with the center of gravity	which is shown in the hydrostatic tables as VCB	7/5/00	
4	360	C	The greatest effect on stability occurs from loose liquids flowing _____.	from side to side in the tanks of the vessel	from fore to aft in the tanks of a vessel	in and out of a vessel that is holed in a wing tank	in and out of a vessel that is holed in a peak tank	7/7/00	
4	361	C	What can be used to measure the percentage of oxygen inside a chain locker?	Flame safety lamp	Combustible gas indicator	Oxygen indicator	H2S meter	7/6/00	
4	365	A	What is the minimum fuel-oil discharge-containment needed for a 100 gross ton vessel constructed after June 30,1974?	At least 5 gallons	At least 1 barrel	At least 2 barrels	At least 3 barrels	7/10/00	
4	379	D	Plastic material may be discharged overboard from a vessel if it is _____.	3 miles from shore	12 miles from shore	25 miles from shore	None of the above	8/18/00	

4	397	A	The Sailing Plan, required by vessels participating in AMVER, must be sent _____.	within a few hours before or after departure	prior to departure	within 24 hours of departure	within 12 hours of departure	5/26/00	
4	412	B	To get low-velocity fog from an all-purpose nozzle, you would _____.	attach the bronze nozzle tip to the fog outlet of the nozzle	attach an applicator to the nozzle in place of the bronze nozzle tip	attach an applicator to the solid stream outlet on the nozzle	simply move the handle to the vertical position on the nozzle	8/7/00	
4	421	C	After the initial AMVER Position Report, sent by a vessel sailing foreign, subsequent Position Reports must be sent no less frequently than every _____.	24 hours	36 hours	48 hours	Monday, Wednesday, and Friday	5/26/00	
4	466	D	Deficient oxygen content inside a chain locker can be detected with _____.	litmus paper	a combustible gas indicator	an oxygen breathing apparatus	an oxygen indicator	7/6/00	
4	469	B	A low-velocity fog applicator attached to a 2-1/2 inch all-purpose nozzle is required to produce a fog pattern diameter of at LEAST _____.	8 feet (2.4 m)	22 feet (6.7 m)	25 feet (7.6 m)	65 feet (19.8 m)	7/10/00	

4	490	A	Which statement relating to AMVER (Automated Mutual-assistance Vessel Rescue) is TRUE?	There is no cost to the ship or owner for messages sent within the AMVER system.	An AMVER participant is under greater obligation to render assistance to a vessel in distress	An AMVER participant is not relieved of the obligation to give 24 hour advance notice to the U.S.	The AMVER system does not reduce the time lost for vessels responding to calls for assistance.	6/21/00	
4	492	A	The spray of water produced by using the high-velocity fog position on an all-purpose nozzle will have _____.	greater range than low-velocity fog	lesser range than low-velocity fog	about the same range as low-velocity fog	greater range than a solid stream	8/7/00	
4	538	D	A victim is coughing and wheezing from a partial obstruction of the airway. An observer should _____.	perform the Heimlich maneuver	immediately start CPR	give back blows and something to drink	allow the person to continue coughing and dislodge the obstruction on his own	8/14/00	
4	542	D	Before inserting a low-velocity fog applicator into an all-purpose nozzle, you must _____.	install the high-velocity nozzle tip	move the handle to position 2	move the handle to position 1	remove the high-velocity nozzle tip	8/7/00	See illustration number D004SA
4	561	C	The 12-foot low-velocity fog applicator _____.	has a spray pattern 12 feet in diameter	can be used in conjunction with both 1-1/2 inch and 2-1/2 inch all-purpose nozzles	has a 90° bend at its discharge end	has a screw thread end which connects to the all-purpose nozzle	8/16/00	

4	565	C	Small oil spills on deck can be kept from going overboard by _____.	driving wooden plugs into the vents	closing the lids on the vents	plugging the scuppers	plugging the sounding pipes	7/6/00	
4	566	C	Which statement is TRUE concerning a motor lifeboat?	It is propelled by engine or hand-propelling gear.	It has a sufficient fuel capacity, if motorized, for 48 hours of operation.	It must be able to maintain a loaded speed of 6 knots.	All of the above	5/15/00	
4	575	D	Pollution regulations require that each scupper in an enclosed deck area have a _____.	wooden plug	soft rubber plug	two-piece soft patch	mechanical means of closing	8/7/00	
4	629	B	Sign(s) of respiratory arrest requiring artificial respiration is(are) _____.	vomiting	blue color and lack of breathing	irregular breathing	unconsciousness	7/24/00	
4	634	C	You are fighting a fire in a watertight compartment using hoses and salt water. Stability may be reduced because of _____.	progressive downflooding	reduction of water in the storage tanks	increase in free surface which reduces the metacentric height	reduction of KG to the minimum allowable	7/5/00	

4	640	C	The volume of a vessel's intact watertight space above the waterline is its _____.	free surface	marginal stability	reserve buoyancy	freeboard	1/10/01	
4	645	D	A tug should not come alongside a tank vessel in way of its cargo tanks while it is loading grade A, B, or C cargo without the permission of the _____.	the cognizant OCMI	superintendent of the shoreside facility	local fire department	person in charge of the transfer	7/6/00	
4	650	D	Which is an indication of reserve buoyancy?	Metacentric height	Righting moment	Rolling period	Freeboard	8/7/00	
4	656	C	The governor brake on a lifeboat winch shall be capable of controlling the speed of lowering a fully equipped lifeboat from a cargo ship at _____.	a safe speed only specified	not less than 120 feet per minute	not more than 120 feet per minute	not more than 90 feet per minute	9/27/00	
4	677	B	A vessel which violates the Vessel Bridge-to-Bridge						

4	693	B	You are operating a fire hose with an applicator attached. If you put the handle of the nozzle in the vertical position you will ____.	produce high-velocity fog	produce low-velocity fog	produce a straight stream	shut off the water	8/7/00	
4	700	B	Intact buoyancy is a term used to describe ____.	the volume of all intact spaces above the waterline	an intact space below the surface of a flooded area	an intact space which can be flooded without causing a ship to sink	the space at which all the vertical upward forces of buoyancy are considered to be	8/7/00	
4	701	D	Which statement about free surface is TRUE?	A partially filled space with 40% surface permeability will have greater free surface effect than one	Pocketing increases the loss of GM due to free surface effect.	Cargo with a specific gravity of 1.05 has less free surface effect than a cargo with a specific gravity	Pocketing occurs at small angles of inclination when a tank is 98% full.	7/7/00	
4	705	C	Your vessel is at a dock taking bunkers through piping on the dock. If oil begins to flow out of a tank vent, what should you do FIRST?	Open the intake valve to an adjacent tank.	Set out drip pans and sawdust and begin to mop up the spill.	Signal the shore control point to shut down.	Close the valve on the tank vent line.	7/6/00	
4	750	B	The center of flotation of a vessel is ____.	the center of volume of the immersed portion of the vessel	the center of gravity of the water plane	that point at which all the vertical downward forces of weight are considered to	that point at which all the vertical upward forces of buoyancy are considered to be	7/5/00	

4	791	A	During a training exercise a submarine indicating that a torpedo has been fired will send up smoke from a float. The smoke's color will be _____.	black	red	orange	yellow	8/17/00	
4	816	B	You are crude oil washing on a tanker with an inert gas system. What percentage of oxygen must the inert gas system produce and deliver to the tanks?	0%	5%	8%	11%	5/9/00	
4	863	B	A tank 36 ft. by 36 ft. by 6 ft. is filled with water to a depth of 5 ft. If a bulkhead is placed in the center of the tank running fore-and-aft along the 36-foot axis, how will the value of the moment of inertia of the free surface be affected?	The moment of inertia would remain unchanged.	The moment of inertia would be 1/4 its original value.	The moment of inertia would be 1/2 the original value.	None of the above	2/21/01	
4	921	D	You can determine that a CO2 fire extinguisher is fully charged by _____.	looking at the guage	checking the nameplate data	weighing by hand	weighing on a properly calibrated scale	2/21/01	
4	925	D	The center of flotation of a vessel is the geometric center of the _____.	underwater volume	above water volume	amidships section	waterplane area	8/17/00	

4	935	C	If an airplane circles a vessel 3 times, crosses the vessel's course close ahead while rocking the wings, and heads off in a certain direction, what does this indicate?	The plane is in distress and will have to ditch.	The plane is going to drop a package and wishes the vessel to recover it.	Someone is in distress in that direction and the vessel should follow and assist.	There is danger ahead and the best course is indicated by the direction of the aircraft.	8/17/00	
4	964	B	Which signal is used by a rescue unit to indicate, Avast hauling?"	Firing of a green star signal	Firing of a red star signal	An orange smoke signal	Three white star rockets fired at one-minute intervals	8/17/00	
4	969	A	That center around which a vessel trims is called the _____.	tipping center	center of buoyancy	center of gravity	turning center	7/5/00	
4	970	C	During cargo operations, your vessel develops a list due to the center of gravity rising above the transverse metacenter. To correct the list, you should _____.	shift weight to the high side	shift weight to the centerline	add weight in the lower holds or double bottoms	remove weight from the lower holds or double bottoms	7/5/00	
4	980	A	Assuming an even transverse distribution of weight in a vessel, which condition could cause a list?	Empty double-bottoms and lower holds, and a heavy deck cargo	Flooding the forepeak to correct the vessel's trim	Having KG smaller than KM	Having a small positive righting arm	7/5/00	

4	984	D	The lifesaving signal indicated by a horizontal motion of a white light or white flare means _____.	Landing here highly dangerous""	Negative""	Avast hauling""	All of the above	3/5/01	
4	990	A	If your vessel will list with equal readiness to either side, the list is most likely caused by _____.	negative GM	off-center weight	pocketing of free surface	excessive freeboard	8/7/00	
4	1000	D	A vessel continually lists to one side and has a normal rolling period. Which statement is TRUE?	The vessel has negative GM.	The center of gravity is on the centerline.	The list can be corrected by reducing KM.	The vessel has asymmetrical weight distribution.	7/5/00	
4	1004	B	The lifesaving signal used to indicate, Landing here highly dangerous" is _____."	firing of a white star signal	firing of a red star signal	vertical motion of a red light	code letter K" given by light or sound signaling apparatus"	8/17/00	
4	1015	C	Which group should be used to send the signal Longitude 109ø34' West?	D0934	LO10934W	G10934	L10934	10/20/00	

4	1026	C	A life raft with a capacity of 8 people used in ocean service is required by regulations to carry _____.	8 litres of fresh water	12 units of provisions	12 litres of fresh water	24 units of provisions	7/26/00	
4	1031	B	What is the major function of the deck water seal in an inert gas system?	Relieves excessive pressures from the system.	Isolates hazardous areas from nonhazardous areas.	Prevents the flow of inert gas into closed or isolated tanks.	Removes any leftover water or soot after the gas has been scrubbed.	5/9/00	
4	1054	B	By day, the signal meaning, "This is the best place to land" is a _____."	vertical motion of a red flag	vertical motion of a white flag or the arms	white smoke signal	white star rocket	8/17/00	
4	1069	B	After the initial AMVER Position Report, sent by a vessel sailing foreign, subsequent Position Reports must be sent no less frequently than every _____.	Monday, Wednesday, and Friday	48 hours	36 hours	24 hours	5/26/00	
4	1079	A	Which alarm is NOT found on an inert gas system?	Low oxygen alarm	Low pressure alarm	Scrubber high water level alarm	Deck seal low water alarm	5/9/00	

4	1129	C	Which function is NOT provided by the scrubber of an inert gas system?	Cools the inert gas.	Removes particulate matter like soot.	Maintains gas pressure in the tanks.	Removes chemical impurities from the gas.	5/9/00	
4	1203	D	You are discharging cargo and the inert gas system is in operation to inert the tanks. The pressure in a tank being discharged starts to drop below the allowable limit. What action should you take?	Cut in another IG fan to increase gas flow.	Open the pressure control valve until the pressure increases.	Open the tank isolation valve to the fully open position.	Reduce the pumping rate.	5/9/00	
4	1244	D	The painter on a rigid life raft must have a length sufficient to reach the lightest waterline plus an additional _____.	5 meters (16 feet)	10 meters (31 feet)	15 meters (50 feet)	20 meters (66 feet)	7/26/00	
4	1248	A	In the event of fire in a machinery space, _____.	the fixed carbon dioxide system should be used only when all other means of extinguishment have failed	the fixed carbon dioxide system should be used immediately, as it is the most efficient means of	water in any form should not be used as it will spread the fire	the space should be opened 5 minutes after flooding CO2 to prevent injury to personnel	2/8/01	
4	1266	D	A life line must be connected to the life raft _____.	at the bow	at the stern	in the middle	all around	2/14/01	

4	1283	B	The liquid-filled PV breaker has acted to relieve a vacuum in a tank. What action must be taken in regards to the PV-breaker before continuing operations?	Check to make certain that it has reset itself.	Refill the breaker with liquid.	Manually reset the vacuum side of the breaker.	Install a new rupture disc.	5/9/00	
4	1315	D	When heaving to" in heavy seas, a motor propelled lifeboat should be _____."	brought to a position with the stern into the seas	allowed to take its own head	brought to lay in the trough	brought bow into the seas	9/27/00	
4	1349	B	What type of liquid is used in the liquid P/V breaker?	Hydraulic oil	Water-antifreeze mixture	Distilled water	Oil from the cargo	5/9/00	
4	1354	C	If the hydrostatic release mechanism for an inflatable liferaft is not periodically serviced and becomes inoperative, it will NOT _____.	set the water lights on immersion	release the dye-marker from the liferaft	free the liferaft from a sinking vessel	break the seal on the carbon dioxide cylinder	7/20/00	
4	1379	B	Which statement about inert gas pressures in a cargo tank is TRUE?	The pressures of the inert gas in the tank may create excessive pressure at the pump while	Gas pressures should be maintained at the highest permissible level throughout the discharging	High gas pressures may cause pyrophoric oxidation in the tank.	High gas pressures may cause loss of suction when stripping.	5/9/00	

4	1389	A	Which statement about the inert gas system is TRUE?	Boiler soot blowers should never be used when the IG system is operating.	The boiler will produce the best quality of flue gas for the IG system when the boiler load is very	The boiler will produce the most quantity of flue gas for the IG system when the boiler load is very light.	Flue gas with excessive oxygen content is de-oxygenated in the scrubber.	5/9/00	
4	1403	C	Which action must be taken when an individual cargo tank is closed off from the inert gas system by the tank isolation valve?	The tank must be gas freed.	The tank must be ballasted.	The tank must be vented to the atmosphere.	The bypass valve must also be closed.	5/9/00	
4	1412	D	By regulation, cargo tank atmosphere must be inert before and during which operation?	Stripping	Loading	Cleaning	All of the above	5/9/00	
4	1420	B	Which statement about the pressure in a tank being inerted by an inert gas system is TRUE?	The maximum pressure permitted is 8 psi.	A positive pressure should be maintained at all times.	The pressure must remain within the limits of +5 psi to -1 psi.	None of the above	5/4/00	
4	1422	B	Mechanical gearing of deck machinery such as the windlass or boat hoists should _____.	be open to view so, if a foreign object gets in the gearing, the operator can immediately stop the	have a guard over the gearing	be painted a contrasting color from the base color in order to call attention to the gearing	not be operated if there is any crew within 10 feet of the machinery	7/6/00	

4	1435	B	After the initial cleaning of flue gas in an inert gas system the gas is passed through what device for final cleaning?	Scrubber	Demister	Deck water seal	Final filter	5/9/00	
4	1455	D	Which statement about AMVER reports is TRUE?	The sailing plan may be sent in any reasonable time before departure, but not later than 12 hours after	Distress messages should be sent to the AMVER center.	In the body of the sailing plan report, the letter G is used to indicate a great circle course.	There are four different message reports in the AMVER system.	6/21/00	
4	1459	C	Which data is NOT painted on the bow of a lifeboat?	Number of persons allowed	Name of the vessel	Weight of the boat	Port of registry	3/12/01	
4	1470	B	If your vessel has a list to port due to negative GM and off-center weight, the first corrective measure you should take is to _____.	move port-side main-deck cargo to the starboard side	fill the starboard double-bottom	pump water from the port double-bottom to the starboard double-bottom	pump water from the port double-bottom over the side	7/7/00	
4	1510	D	You are in enemy port and have received a General Emergency message announcing the outbreak of war in Europe. You are directed to comply with the instructions in NIMA PUB 117, Chapter eight. Which statement is TRUE?	If on a coastwise voyage along the east coast of the U.S., you should put into the nearest	You should only enter a port in the danger zone during hours of darkness.	When over 200 hundred miles from a port in the danger zone, you should not darken ship.	You should attempt to submit an AMVER report to NSA.	6/16/00	

4	1512	D	Where are the draft marks required to be displayed on a ship?	Deep tanks	Voids	Midships near the waterline	Area of water line near stem and stern	10/20/00	
4	1515	A	You see an iceberg that has not been reported. What kind of radio message do you transmit to warn others?	Safety message	Urgency message	Distress message	Routine message	7/6/00	
4	1532	B	You are in a lifeboat when you sight the stars ahown. You will be heading due north when you head for Polaris, which is indicated by which letter?	A	E	G	H	10/17/00	See illustration number D005SA
4	1539	D	The AMVER system requires _____.	sailing plans to be sent before departure	more frequent reports in heavy weather	arrival reports to be sent within 8 hours of arrival	a position report within 24 hours of departure	5/26/00	
4	1541	D	Which would be considered pollution under the U.S. water pollution laws?	Garbage	Hazardous substances	Oil	All of the above	8/18/00	

4	1563	B	Who should inspect and test an inflatable life raft?	The person in charge	An approved servicing facility	Shipyard personnel	A certificated lifeboatman	7/20/00	
4	1595	B	The capacity of any liferaft on board a vessel can be determined by _____.	examining the Certificate of Inspection	examining the plate on the outside of the raft container	referring to the station bill	referring to the shipping articles	7/6/00	
4	1600	D	You are berthed at a cargo facility where you have just completed discharging a dangerous cargo. You must complete topside repairs involving hot work before sailing. Which of the following statements is TRUE?	You can make repairs with permission of the facility owner since you are empty and the cargo is on	The repair area must be inspected by a marine surveyor to ensure that it can be done safely.	Hot work repairs at such a facility are prohibited.	The Captain of the Port may give specific approval to make hot work repairs.	7/6/00	
4	1603	C	During loading and discharging operations, in addition to when the cargo tanks have been properly filled, each inert gas system must be capable of maintaining a minimum gas pressure of _____.	150 millimeters of water pressure	125 millimeters of water pressure	100 millimeters of water pressure	75 millimeters of water pressure	5/9/00	
4	1611	C	How should longitude 116°54.9' E be written when preparing an AMVER report?	Q1169	116.9E	11655E	117E	5/26/00	

4	1614	D	You may have to give artificial respiration after a/an _____.	drowning	electrocution	poisoning	All of the above	9/27/00	
4	1622	A	You are preparing to take another vessel in tow. Which signal indicates, Hawser is made fast?"	Firing of a green star signal	Firing of a red star signal	An orange smoke signal	Three white star rockets at 1-minute intervals	8/17/00	
4	1639	D	What entry would NOT be shown on the V line of an AMVER report?	NONE	NURSE	MD	DOCTOR	6/21/00	
4	1644	D	Which topic is NOT required to be discussed at the pre-transfer conference?	Identity of the product to be transferred	Details of transferring and receiving systems	Emergency shutdown procedures	Estimated time of finishing cargo	5/9/00	
4	1653	D	Before operating a non-oceangoing ship greater than 100 gross tons it must have a fixed piping system to discharge oily mixtures ashore. This system must include_____.	approved oily-water separating equipment	a fixed or portable containment system at the shore connection	a spare pump in case the main pump is inoperative	at least one outlet accessible from the weather deck	7/6/00	

4	1675	A	What entry would NOT be shown on the V line of an AMVER report?	MED TECH	MD	NONE	NURSE	6/21/00	
4	1705	D	How does an inert gas system on a tanker function to prevent explosions in cargo tanks?	De-energizes the charged mist" effect."	Maintains a positive pressure on the vent header to cool the flammable vapors.	Inert gas filters out the flammable vapors from the cargo tank spaces.	Inert gas dilutes the flammable vapor and air concentrations to keep them below the lower explosive limit.	5/9/00	
4	1713	B	Line throwing equipment should not be operated _____.	during a rain storm	in an explosive atmosphere	near a lifeboat station	by other than licensed officers	7/27/00	
4	1715	B	After allowing for pressure losses, the pressure-volume capacity of an inert gas blower must be able to maintain a pressure, in any cargo tank, at a minimum of _____.	50 millimeters of water pressure	100 millimeters of water pressure	150 millimeters of water pressure	200 millimeters of water pressure	5/8/00	
4	1716	D	The control lever for the mechanical disengaging apparatus in a lifeboat shall _____.	be painted bright red	be secured to a permanent part of the lifeboat structure	have the area surrounding the lever painted white	All of the above	7/27/00	

4	1717	C	An inert gas system on a tanker should be used to _____.	prevent the generation of flammable or combustible gas in tanks	blow out cargo lines to prevent the build up of gas concentrations	dilute tank atmospheres to keep gas concentrations below the lower explosive limit	prevent fires in the pumproom by continually displacing flammable vapors	5/9/00	
4	1723	C	The regulations that were passed to implement MARPOL 73/78 concerning oil pollution apply to a U.S. flag vessel that sails on which waters?	Inland waters only	Great Lakes only	International waters	All of the above	4/17/00	
4	1725	C	The most effective treatment for warming a crew member suffering from hypothermia is _____.	running or jumping to increase circulation	raising body temperature rapidly by placing hands and feet in hot water	bundling the body in blankets to rewarm gradually	laying prone under heat lamps to rewarm rapidly	4/24/00	
4	1727	B	Which method is used to supply inert gas from a flue gas system to the cargo tanks?	Exhaust gas pressure from the stack	High capacity fan	Inert gas compressor	Natural aspiration	5/4/00	
4	1728	B	What is the maximum percent of oxygen, by volume, allowed to be maintained in the cargo tanks prior to the commencement of crude oil tank washing?	5%	8%	10%	12%	5/9/00	

4	1729	A	The purpose of the deck seal in an inert gas system is to prevent _____.	flammable vapors from entering machinery space	flue gas escaping to atmosphere	inert gas escaping to atmosphere	air entering inert gas system	5/9/00	
4	1731	A	Coast Guard Regulations permit which of the following systems to be used for fire prevention and the simultaneous inerting of cargo tanks on tank vessels?	An inert gas system	The deck foam system	The fire main system	A fixed water spray system	5/4/00	
4	1733	A	The last 1.0 meter (3.3 feet) of vapor piping before the vessel vapor connection must be painted _____.	red/yellow/red	yellow/red/yellow	international orange	hi-visibility yellow	5/4/00	
4	1734	B	Which procedure should be followed when individuals are rescued in cold climates and suffer from hypothermia?	Give them brandy or other alcoholic stimulation to promote a return to an acceptable body	Move them to a warm room to gradually raise their body temperature.	Keep them moving to stimulate circulation to raise their body temperature.	Warm them under an electric blanket to rapidly regain normal body temperature.	4/24/00	
4	1735	B	On a vapor control system, each vessel's vapor connection flange must have a _____.	6 reducer"	stud at least 1 long projecting from the flange face"	pressure guage permanently attached to the flange	hose saddle	5/30/00	

4	1736	C	On a hydrocarbon flammability chart the line which extends from 0% to 21.8% oxygen, lying tangent to the flammability range, is called the _____.	mimimum oxygen content line	critical displacement line	critical dilution line	upper threshold limit	5/9/00	
4	1737	D	In order for combustion to occur inside a piping system such as a vapor collection header in a marine emission control system, there must be _____.	fuel	oxygen	ignition	All of the above	5/9/00	
4	1740	D	Tank vessel inerting refers to _____.	the introduction of inert gas into a tank with the object of reducing the oxygen content to below 8% by	the introduction of inert gas into a gas free tank for the purpose of reducing the oxygen content to below 8% by	the introduction of inert gas into a cargo tank during cargo discharge to replace the volume of	All of the above	5/9/00	
4	1741	C	The maximum allowable oxygen content within the ship's cargo tanks, inert gas piping and the vapor recovery system is _____.	4%	5%	8%	10%	5/8/00	
4	1742	D	What is the report identifier code for the first AMVER report sent at the start of a voyage?	DP	DR	PR	SP	5/26/00	

4	1743	A	Introducing inert gas into a tank already inert with the object of further reducing the oxygen or hydrocarbon content to prevent combustion if air enters the tank is called ____.	purging	gas freeing	gas dispersion	bonding	5/8/00	
4	1744	D	Each hose used for transferring vapors must_____.	have a design burst pressure of at least 25 psig	be capable of withstanding at least 2.0 psi vacuum without collapsing or constricting	be electrically continuous with a maximum resistance of ten thousand ohms	All of the above	5/9/00	
4	1748	C	In an inert gas system,high pressure alarms are set in the main vapor collection line to cause an audible and visual alarm if the pressure reaches a certain level. What is the percentage of the lowest relief valve setting at which the alarm must sound?	70%	80%	90%	95%	5/9/00	
4	1749	A	High pressure and low pressure alarms must be tested _____.	no earlier than 24 hours prior to loading	no later than 24 hours prior to loading	anytime prior to loading	weekly	4/4/00	
4	1750	A	You are on an inerted tankship. A low pressure alarm must be set to cause an audible and visual alarm if the pressure in the pressure in the tanks cannot be maintained at more than _____.	4 water guage"	90% of the vacuum relief setting	90% of the pressure drop through the scrubber	90% of the vacuum assist fan	5/9/00	

4	1752	A	Vapor hoses must be tested yearly at what ratio to their maximum allowable working pressure?	1+1/2 mawp	2 mawp	3 mawp	5 mawp	4/4/00	
4	1754	C	A large metallic device, mounted directly in the piping (usually located at the dock near the point where the vapor hose is attached), designed to prevent the passage of a rapidly moving flame through the piping is called a _____.	flame arrestor	flame screen	detonation arrestor	detonation blocker	5/9/00	
4	1756	D	Under federal regulations, what minimum level of Blood Alcohol Content (BAC) constitutes a violation of the laws prohibiting Boating Under the Influence of Alcohol (BUI) on commercial vessels?	.18%BAC	.16%BAC	.12%BAC	.10%BAC	4/4/00	
4	1769	B	The battery for the survival craft VHF radio must have capacity to ensure operation for at least _____.	2 hours	4 hours	8 hours	12 hours	4/4/00	
4	1770	C	On a survival craft VHF radio precautions shall be taken to prevent the inadvertent selection of which channel _____.	6	8	16	22	4/4/00	

4	1771	B	The Sailing Plan, required by vessels participating in AMVER, should be sent _____.	24 hours prior to departure	within a few hours before or after departure	24 hours after departure	after the first position report	5/26/00	
4	1778	D	The Sailing Plan, required by vessels participating in AMVER, should be sent _____.	after the first position report	24 hours prior to departure	24 hours after departure	within a few hours before or after departure	5/26/00	
4	1779	B	The Sailing Plan, required by vessels participating in AMVER, should be sent _____.	after the first position report	within a few hours before or after departure	24 hours prior to departure	24 hours after departure	5/26/00	
4	1780	B	How often must a compulsory vessel's GMDSS radio station be inspected?	Annually, by the U.S. Coast Guard	Annually, by the FCC	Annually, by the FCC, and every six months if the vessel sails outside of the Sea Areas A1 and A2.	The FCC's annual inspection may be waived if, and only if, monthly inspections are	3/15/01	
4	1781	D	Which frequencies and modes are allocated for distress alerting in GMDSS?	406 MHz via EPIRB	1626.5-1645.5 via INMARSAT	Channel 70 DSC plus six (6) MF/HF DSC frequencies	All of the above	3/15/01	

4	1782	D	Which channel has been designated for on-scene communications in GMDSS?	24	2182	70	16 and 2174.5	3/15/01	
4	1783	C	Which statement concerning GMDSS maintenance requirements is FALSE?	Compulsory vessels sailing in Sea Areas A1 and A2 must provide any one of the three maintenance	Compulsory vessels sailing in Sea Areas A3 and A4 must provide any two of the three maintenance	If shore-based maintenance is used, maintenance services do not have to be completed or	Equipment warranties do not satisfy GMDSS maintenance requirements.	3/15/01	
4	1784	A	Which statement concerning GMDSS distress alerts is TRUE?	Information contained in a distress alert includes the name and position of the distressed	Distress alerts may be used to alert other vessels, including those in port, of existing	Distress alerts may be used to alert other vessels, including those in port, of existing	A vessel in the vicinity of a distress situation may leave the area without notifying the RCC that is	3/15/01	
4	1785	D	What is a GMDSS functional or carriage requirement for compulsory vessels?	A compulsory vessel must carry at least two (2) licensed GMDSS operators	A compulsory vessel must satisfy certain equipment carriage requirements that are	A compulsory vessel must be able to transmit and respond to distress alerts.	All of the above	3/15/01	
4	1786	B	Which statement concerning reserve sources of energy for GMDSS is FALSE?	While the ship is at sea, there must be available at all times a supply of electrical energy sufficient	Both the VHF and MF/HF installations must be simultaneously supplied.	A means of ensuring a continuous supply of electrical power must be provided to all	If a UPS or equivalent is used to supply power to the ship's GPS receiver or other source of	3/15/01	

4	1787	C	Which GMDSS control selection may result in limited receiving range?	Setting the squelch control to its minimum level	The power switch is set to the high" output position resulting in receiver over loading"	Setting the squelch control to its maximum level	Setting the channel selection switch midway between channels 6 and 16	3/15/01	
4	1788	C	Which channel is designated as the VHF follow-on communications channel and is required in all portable survival craft equipment?	Channel 6	Channel 13	Channel 16	Channel 70	3/15/01	
4	1789	A	How long must GMDSS Radio Logs be retained onboard the ship in original form?	30 days	3 months	6 months	1 year	3/15/01	
4	1790	D	How long must GMDSS Radio Logs be retained by the licensee when they relate to a distress situation or disaster?	6 months	1 year	2 years	3 years	3/15/01	
4	1791	B	Where is the GMDSS Radio Logbook kept aboard ship?	Attached to the Deck Logbook	At the principal radio operating location	In the Chief Mate's office	In the Master's office	3/15/01	

4	1792	B	For GMDSS, which statement concerning a compulsory vessel is FALSE?	A conditional or partial exemption may be granted, in exceptional circumstances, for a single	Once a compulsory vessel's GMDSS station has been fitted and inspected, the station must be	All passenger vessels and all cargo vessels that are 300 Gross Tons or larger must comply.	Compulsory vessels must carry at least two licensed GMDSS Radio Operators.	3/15/01	
4	1793	C	What is the minimum permit or license requirement of a GMDSS Radio Maintainer?	Holding the Marine Radio Operator Permit is a pre-requisite before the GMDSS Maintainer	Holding a valid GMDSS Radio Operator license is sufficient	Holding the GMDSS Radio Maintainer license is sufficient	Holding the GMDSS Radio Operator license for at least one year is a prerequisite to holding the	3/15/01	
4	1794	C	Which statement concerning GMDSS Radio Operator requirements is FALSE?	Each compulsory vessel must carry at least two licensed GMDSS Radio Operators at all times while at	Each compulsory vessel must carry at least two licensed Radio Operators at all times while at sea and may	Communications involving safety of life at sea do not have to be logged as long as the compulsory	While at sea, adjustments to, and the maintaining of, GMDSS equipment may be performed	3/15/01	
4	1795	D	Where can GMDSS regulations pertaining specifically to U.S.-flag vessels be found?	These are located in CCIR #476.	These are located in FCC Part 83.	These are published only by the U.S. Coast Guard.	These are located in FCC Part 80.	3/15/01	
4	1796	A	For GMDSS, which statement concerning a compulsory vessel's reserve source of energy is TRUE?	It must supply power to GMDSS radio installations and charge any associated batteries.	It must not only supply power to GMDSS radio installations and charge any associated batteries, but	It must supply power to all survival craft transceivers and associated equipment.	It must supply power to associated lighting for a minimum of 12 hours.	3/15/01	

4	1797	D	The upper limit of sulphur dioxide permitted to be maintained in the inert gas should not exceed _____.	0.08%	0.06%	0.04%	0.02%	5/9/00	
4	1798	B	The combined fan discharge rate in an inert gas system is related to the _____.	shoreside loading rate	maximum cargo pump discharge rate	boiler forced draft fan rate	size of the largest cargo tank	5/9/00	
4	1801	B	Each ship having an inert gas system must have a portable instrument to measure concentrations of hydrocarbon vapor in inert atmospheres and also to measure _____.	nitrogen	oxygen	carbon dioxide	water vapor	5/4/00	
4	1808	A	Which of the listed functions is the purpose of a gas scrubber in an inert gas generation system?	Cools the inert gas.	Maintains the oxygen content at 5% by volume.	Bleeds off static electricity in the inert gas.	Maintains flow to the water seal on the gas main.	5/8/00	
4	1809	C	For GMDSS, which statement concerning compulsory vessels is TRUE?	Vessels over 500 gross tons must carry at least three licensed GMDSS Radio Operators.	Passenger vessels between 300-500 gross tons need to carry only one licensed GMDSS Radio Operator,	Vessels larger than 500 gross tons must carry certain additional GMDSS equipment than	Vessels between 300-500 gross tons need to carry no more than one EPIRB, SART and	3/15/01	

4	1818	B	In which Sea Area must a compulsory vessel carry either INMARSAT or HF SITOR equipment?	This equipment must be carried at all times at sea regardless of where the vessel will be operating.	This equipment partially satisfies the carriage requirement for vessels operating in Sea Area A3.	This equipment satisfies in full the carriage requirement for vessels operating in Sea Area A2.	HF SITOR equipment partially satisfies the carriage requirement for vessels operating in Sea	3/15/01	
4	1832	C	For GMDSS, when may a compulsory vessel not be allowed to leave port?	When the vessel is in an overloaded condition	When the vessel has arranged for both duplication of equipment AND shore-based	When the vessel has replaced a required piece of GMDSS-related equipment but	When the vessel is carrying only two licensed GMDSS Radio Operators and is capable of performing all	3/15/01	
4	1833	C	Batteries for VHF Survival Craft Transceivers must have sufficient capacity to operate for a minimum of _____.	4 hours	6 hours	8 hours	12 hours	3/15/01	
4	1843	D	With what other stations may portable survival craft transceivers communicate?	Communication is permitted between survival craft.	Communication is permitted between survival craft and ship.	Communication is permitted between survival craft and rescue unit.	All of the above	3/15/01	
4	1857	A	Which statement concerning locating signals in the GMDSS is FALSE?	Locating signals are transmitted by survival craft VHF transceivers.	Locating signals are transmitted by SARTs.	Locating signals are intended to facilitate the finding of a distressed vessel or its survivors	Locating signals are not transmitted by autoalarm generators.	3/15/01	

4	1877	C	Which shipboard equipment will detect a signal from a SART?	S-Band Radar	A DSC receiver	X-Band Radar	The autoalarm	3/15/01	
4	1881	B	What does a SART signal sound or look like?	It transmits SOS" and the vessel's name and position in slow speed Morse Code."	It will appear on a radar unit's PPI as a line of dots radiating outward with the innermost dot indicating	It will appear on a radar unit's PPI as a line of dots radiating outward with the outermost dot indicating	None of the above	3/15/01	
4	1889	A	How can rescue personnel detect that a SART is transmitting in the immediate vicinity?	The SART's blips on the PPI will begin arcing and eventually become concentric circles.	The DSC unit will react to the SART's signal and respond with the two-tone alarm.	The SART can provide an approximate location to within a two nautical mile radius, per IMO	The SART signal appears as a target which comes and goes; the effect of heavy swells on a SART.	3/15/01	
4	1891	C	What would most likely prevent a SART's signal from being detected?	Signal absorption by the ionosphere	Heavy sea swells	The rescue personnel were monitoring the 10-cm radar	The rescue personnel were monitoring the 3-cm radar	3/15/01	
4	1892	C	What is the required amount of time that a SART's battery must be able to operate the unit in the standby mode?	8 hours	2 days	3 days	4 days	3/15/01	

4	1893	D	Which equipment is the primary source of generating a locating signal?	DSC only	DSC and EPIRB	SART and DSC	EPIRB and SART	3/15/01	
4	1895	B	How can a SART's effective range be maximized?	The SART should be placed in water immediately upon activation.	The SART should be held as high as possible.	Switch the SART into the high" power position."	If possible, the SART should be mounted horizontally so that its signal matches that of the searching	3/15/01	
4	1901	D	Which conditions will normally cause a SART to operate in the active mode?	It will respond only to interrogation by 9-Ghz radar signals.	A SART will normally respond to interrogation from a searching vessel's radar if the radar	A SART will normally respond to interrogation from a searching aircraft's radar if the radar's	All of the above	3/15/01	
4	1902	B	Which task is NOT the responsibility of the GMDSS Radio Operator?	Inspecting and cleaning the SART's container, and clearing the immediate storage area of	Measuring the SART's transmitted frequency.	Placing the SART in the test mode and verifying that the nearby PPI shows concentric	Ensuring the SART's batteries are replaced before their expiration date.	3/15/01	
4	1917	A	How can the SART's audible tone monitor be used?	It informs survivors that assistance may be nearby.	It informs survivors when the battery's charge condition has weakened.	It informs survivors when the SART switches to the standby mode.	It informs survivors that a nearby vessel is signalling on DSC.	3/15/01	

4	1918	B	Which equipment is not a source of locating signals?	EPIRB's that transmit on 406 MHz	Survival craft VHF transceivers that provide a beacon on 121.5 MHz	COSPAS-SARSAT EPIRBs	SARTs operating on 9 GHz	3/15/01	
4	1933	C	The Sailing Plan, required by vessels participating in AMVER, must be sent _____.	within 12 hours of departure	within 24 hours of departure	within a few hours before or after departure	prior to departure	5/26/00	
4	1934	B	Which piece of required GMDSS equipment is the primary source of transmitting locating signals?	Radio Direction Finder (RDF)	An EPIRB transmitting on 406 MHz	Survival Craft Transceiver	A SART transmitting on 406 MHz	3/15/01	
4	1940	C	Life jackets should be stowed in _____.	survival craft	messrooms	readily accessible locations	locked watertight containers	7/5/00	
4	1942	C	Which EPIRB transmits a distress alert that is received and relayed by an INMARSAT satellite?	Class A EPIRBs	Class B EPIRBs	L-Band EPIRBs	Category I EPIRBs	3/15/01	

4	1943	A	Which statement concerning satellite EPIRBs is TRUE?	Once activated, these EPIRBs continuously send up a signal for use in identifying the vessel and for	The coded signal identifies the nature of the distress situation.	The coded signal only identifies the vessel's name and port of registry.	If the GMDSS Radio Operator does not program the EPIRB, it will transmit default information such	3/15/01	
4	1945	A	What is the best method to overcome the effects of shadowing when attempting to place an INMARSAT-A call?	A small course change should work.	Select a CES that serves the INMARSAT satellite that will handle the call.	Installing a shadow correction filter will compensate in fringe areas.	Turning on compensators will work in all but extreme cases of shadowing.	3/15/01	
4	1949	B	What is meant by CES?"	Coast Earth Satellite	Coast Earth Station	Central Equatorial Station	Coastal Equivalent Station	3/15/01	
4	1954	C	Which action should be taken once the vessel is berthed and will not leave port again for several weeks?	The GMDSS Radio Operator must notify the NCS that the vessel will be off-line.	The INMARSAT-C system can be powered down without taking additional steps once the GMDSS Radio	The GMDSS Radio Operator must log off of the INMARSAT system.	The GMDSS Radio Operator must transmit an all-ships alert to notify all vessels within the satellite's foot	3/15/01	
4	1957	B	The first AMVER position report must be sent within how many hours of departure?	12	24	36	48	5/26/00	

4	1961	B	Which maintenance functions can a GMDSS Radio Operator perform?	The Operator can make fine internal adjustments to the transmitter as long as the output power	The Operator is responsible for ensuring that INMARSAT antennas are free of built-up soot and clear	All levels of maintenance must be performed by a licensed GMDSS Radio Maintainer.	The Operator may install an EPROM in order to ensure that the equipment continues to operate within	3/15/01	
4	1963	C	How is a distress message normally initiated through INMARSAT?	All INMARSAT units have a dedicated key that can be pressed for immediate action.	By adding the word "DISTRESS" in the first line of the message's preamble"	Certain INMARSAT units have a dedicated key that can be pressed for immediate	By transmitting the distress message on the U.S. Coast Guard's dedicated monitoring	3/15/01	
4	1965	B	Which statement concerning exposure to microwave signal radiation is TRUE?	There is minimal hazard potential as long as the Operator notifies other system users aboard the	The INMARSAT- A radome normally prevents nearby persons from being able to determine the	There is equally significant hazard potential from all INMARSAT antenna systems.	FCC type acceptance regulations require that radiated power be kept to a minimum so as	3/15/01	
4	1967	A	Define the acronym MSI.	Maritime Safety Information	Maritime Shipping Index	Maritime Satellite Indicator	Mariner Safety Intelligence	3/15/01	
4	1968	D	Which categories of NAVTEX messages may not be selectively rejected through receiver programming?	Navigational warnings	Weather warnings	SAR and distress alert information	All of the above	3/15/01	

4	1971	A	Which category of NAVTEX messages may be rejected in some receivers, BUT SHOULD NOT?	Category L navigational warnings	Category A navigational warnings	SAR and distress alert information	Weather warnings	3/15/01	
4	1973	D	To ensure receipt of all relevant MSI, a NAVTEX receiver should be turned on at least how many hours prior to departure from port?	2	4	6	8	3/15/01	
4	1982	B	Which system may be useful for messages, such as local storm warnings or a shore-to-ship distress alert, for which it is inappropriate to alert all ships in the satellite coverage area?	NAVTEX	EGC	AMVER	DSC	3/15/01	
4	1994	A	Which kind(s) of broadcasts are available through Safety NET?	MSI and messages to pre-defined groups of subscribers	MSI and vessel traffic lists	Hourly NOAA weather broadcasts from the NWS	Coastal weather broadcasts	3/15/01	
4	1998	B	Which satellite system promulgated Maritime Safety Information?	AMVER	SafetyNET	NAVTEX	INMARSAT-M SES	3/15/01	See illustration number -

4	1999	D	Which channel and mode should be used when initiating a distress alert transmission?	Channel 6 DSC	Channel 6 Radiotelephony	Channel 13 Radiotelephony and channel 16 DSC	Channel 70 DSC	3/15/01	
4	2011	B	What is the action that a GMDSS Radio Operator should take when a DSC distress alert is received?	No action is necessary, as the DSC control unit will automatically switch to the NBDP follow-on	The operator should immediately set continuous watch on the radiotelephone frequency that	The Operator should immediately set continuous watch on VHF channel 70.	The Operator should immediately set continuous watch on the NBDP frequency that is	3/15/01	
4	2012	C	What is the primary purpose for Digital Selective Calling (DSC)?	DSC provides reception of weather and navigational warnings plus search and rescue	DSC provides low-cost, routine communications for the vessel operator.	DSC is to be used for transmitting and receiving distress alerts to and from other ships or coast	This aids SAR authorities in tracking a vessel's position by satellite.	3/15/01	
4	2018	C	When can routine communications be resumed on a frequency or channel on which radio silence has been imposed?	After determining that the frequency or channel appears to be no longer in use	After determining that geographic distance from the distress situation will prohibit any	After the Rescue Coordination Center transmits a message on the frequency or channel being	Routine communications can resume if, in the Master's opinion, communications on that	3/15/01	
4	2020	A	Free communication will adversely affect transverse stability only when the flooded space is _____.	offcenter	on the centerline	completely flooded	open to the sea above and below the waterline	7/7/00	

4	2024	C	Which step should be taken, if possible. when the vessel must be abandoned because of a distress situation?	Alert the U.S. Coast Guard by using the survival craft's portable INMARSAT unit.	Program the SART and EPIRB to transmit the vessel's location and situation.	Place the SART and EPIRB in the ON" position and secure them to the survival craft."	No additional steps are needed as the SART and EPIB will both automatically float free and	3/15/01	
4	2027	A	Who is responsible for transmitting a message stating that distress communications have ceased?	The Rescue Coordination Center (RCC) controlling the distress communications	The vessel providing the initial communications with the distressed vessel	The Coast Radio Station (CRS) that was first contacted concerning the distress situation	No formal message must be transmitted as long as no distress-related communications have occurred	3/15/01	
4	2033	A	How is radio silence" imposed?"	By the Rescue Coordination Center (RCC) controlling the distress communications on that	By the Coast Earth Station (CES) controlling the distress communications on that frequency or	By the Public Correspondence Station (PCS), controlling the distress communications on that	By the High Seas Service (HSS) controlling the distress communications on that	3/15/01	
4	2035	B	What is usually the first step for a GMDSS Radio Operator to take when initiating a distress priority message via INMARSAT?	Dialing the correct code on the telephone remote unit	Pressing a distress button" on the equipment"	Contacting the CES operator and announcing a distress condition is in existence	Contacting the CES operator using the radiotelephone distress procedure Mayday"...etc."	3/15/01	
4	2036	B	Which system provides maximum communications range?	MF SITOR	INMARSAT	Digital Selective Calling on 8414.5KHz	VHF ARQ	3/15/01	

4	2037	A	Which system is most likely to be subject to fading or static interference?	HF SITOR	INMARSAT	Digital Selective Calling on channel 70	VHF ARQ	3/15/01	
4	2038	B	Which system is least likely to be subject to fading or static interference?	HF SITOR	INMARSAT	Digital Selective Calling on channel 70	VHF ARQ	3/15/01	
4	2043	B	How does a coast radio station communicating by HF radio normally identify itself?	By its subscriber number	By its call sign	By its MMSI	By its MID	3/15/01	
4	2045	B	How often does a coast radio station that regularly broadcasts traffic lists transmit the list?	As often as is deemed necessary to effect delivery	No less often than every four hours	Only on an as-needed basis	Once per 24-hour period	3/15/01	
4	2056	D	By regulation, cargo tank atmosphere must be inert before and during which operation?	Stripping	Loading	crude oil washing	All of the above	5/9/00	

4	2058	D	By regulation, cargo tank atmosphere must be inert before and during which operation?	crude oil washing	Loading	discharging	All of the above	5/9/00	
4	2065	D	By regulation, cargo tank atmosphere must be inert before and during which operation?	crude oil washing	topping off	stripping	All of the above	5/9/00	
4	2072	D	By regulation, cargo tank atmosphere must be inert before and during which operation?	stripping	topping off	gravitating	All of the above	5/9/00	
4	2076	D	A cargo tank that is initially gas freed, can be inerted by introducing inert gas by a process known as _____.	dilution	displacement	precipitation	Either A or B	5/8/00	
4	2078	B	A device fitted over the discharge opening on a relief valve consisting of one or two woven wire fabrics is called a flame _____.	stopper	screen	filter	restrictor	5/9/00	

4	2088	B	If the OCMI has NOT granted an extension, free-fall lifeboats must be lowered into the water and launched with the assigned crew at least once every _____.	3 months	6 months	year	2 years	5/9/00	
4	2103	A	All lifeboats, rescue boats, and rigid-type life rafts shall be stripped, cleaned, and thoroughly overhauled at least once every _____.	year	18 months	two years	30 months	5/18/00	
4	2112	B	You are sailing the navigable waters of the United States. You must have a currently corrected copy (or extract) of the _____.	List of Lights	Tide Tables	Sailing Directions	H.O. 249 Sight Reduction Tables	6/13/00	
4	2125	B	Who should inspect and test an inflatable life raft?	The Chief Mate	An approved servicing facility	Shipyard personnel	A certificated lifeboatman	7/27/00	
4	2127	C	On vessels on an international voyage, each inflatable life raft shall have a carrying capacity of not less than _____.	50 percent of all persons on board	75 percent of all persons on board	6 persons	10 persons	7/26/00	

4	2129	C	Which of the following statements relating to AMVER (Automated Mutual-assistance Vessel Rescue) is TRUE?	The AMVER system does not reduce the time lost for vessels responding to calls for assistance.	An AMVER participant is not relieved of the obligation to give 24 hour advance notice to the U.S.	There is no cost to the ship or owner for messages sent within the AMVER system.	An AMVER participant is under greater obligation to render assistance to a vessel in distress	6/21/00	
4	2132	C	On which vessels is GMDSS required?	All vessels capable of international voyages	Vessels operating outside of the range of VHF coastal radio stations	SOLAS Convention ships of 300 gross tonnage or more.	Coastal vessels of less than 300 gross tons	3/15/01	
4	2146	B	Aboard damaged vessels, the MOST important consideration is preserving _____.	bilge pumping capacity	reserve buoyancy	level attitude	instability	8/17/00	
4	2154	D	What is the basic concept of GMDSS?	Search and rescue authorities ashore can be alerted to a distress situation.	Shipping in the immediate vicinity of a ship in distress will be rapidly alerted.	Shoreside authorities and vessels can assist in a coordinated SAR operation with minimum delay.	All of the above	3/15/01	
4	2173	B	Which statement concerning exposure to radiation is TRUE?	The INMARSAT unit's radome filters out potentially dangerous UV rays.	Certain INMARSAT systems will automatically transmit when called and can expose an	INMARSAT-A antennas are safe because they are omnidirectional.	An INMARSAT-C antenna must be carefully avoided because it focuses the transmitter's signal into a fine	3/15/01	

4	2177	C	What is the primary equipment for receiving MSI?	SART	EPIRB	NAVTEX	INMARSAT-A	3/15/01	
4	2187	D	What is a functional or carriage requirement for compulsory vessels?	A compulsory vessel must carry at least two licensed GMDSS Radio Operators.	A compulsory vessel must satisfy certain equipment carriage requirements that are	A compulsory vessel must be able to transmit and respond to distress alerts.	All of the above	3/15/01	
4	2204	B	Which communications functions must all vessels be capable of performing under GMDSS as defined by the International Maritime Organization?	Radio direction finding	Distress alerting to and from vessels, search and rescue coordination, on-scene communications,	Communications in each of the operational ocean areas	All communications possible within the International SafetyNET service	3/15/01	
4	2214	C	Which statement concerning maintenance requirements is FALSE?	Compulsory vessels sailing in Sea Areas A1 and A2 must provide any one of the three maintenance	Compulsory vessels sailing in Areas A3 and A4 must provide any two of the three maintenance	If shore-based maintenance is used, maintenance services do not have to be completed or	Equipment warranties do not satisfy GMDSS maintenance requirements.	3/15/01	
4	2216	D	Which statement is generally correct regarding the maintenance requirements for ships under GMDSS?	Redundancy of functions of certain equipment will partially meet this requirement.	On-board maintenance provided by a person holding a GMDSS maintainer's license will	Shoreside maintenance and scheduled tests and inspections will partially meet this requirement.	All of the above	3/15/01	

4	2222	A	Which system is most likely to be affected by atmospheric disturbances?	MF/HF radiotelephony	VHF DSC	INMARSAT	SafetyNET	3/15/01	
4	2238	C	Which system has the least effective radius of operation?	HF SITOR	MF SITOR	VHF DSC	NAVTEX	3/15/01	
4	2277	B	What periodic inspection is required in order to remain in compliance with the regulations regarding GMDSS ship radio station inspections?	U.S. Coast Guard annual inspection	FCC annual inspection	FCC inspection every five years	Periodic inspections not required if on board maintainers perform routine preventive	3/15/01	
4	2340	D	When shifting to a course where the wind comes more from astern, easing the mainsheet will _____.	allow the boom to swing more easily to leeward	decrease the force needed to haul on the mainsheet	bring the head of the sail down from the top of the mast	allow the sail to catch more wind	4/4/00	
4	2345	D	During an annual FCC inspection _____.	all required documents and publications may have to be produced	licensed GMDSS radio operators may be required to demonstrate equipment competencies	all required equipment must be fully operational	All of the Above	3/15/01	

4	2347	B	Which references should the GMDSS radio operator consult for information on the proper operation of the equipment?	ITU list of Equipment Operations	The manufacturer's operating manuals	47 CFR Part 80	Information available through SafetyNET channels	3/15/01	
4	2349	D	What should the GMDSS radio operator consult to review the proper procedures to be followed in distress situations under GMDSS?	IMO recommendations	The manufacturers instruction manuals	Part 90 of the FCC Rules and Regulations	Part 80, Subpart W of the FCC Rules and Regulations	3/15/01	
4	2353	D	Which documents are required by GMDSS for vessels on international voyages (other than the Great Lakes)?	A copy of the IMO master plan of shore-based facilities	Station logs	Part 80 FCC Rules and Regulations	All of the above	3/15/01	
4	2354	D	Which documents are required by Part 80 of the FCC Rules for vessels on international voyages (other than the Great Lakes)?	Appropriate Safety Convention Certificate	International list of ship call signs (ITU list VI)	List of Radio-determination and Special Service Stations (ITU list VI)	All of the above	3/15/01	
4	2355	B	What publication/s should a GMDSS Operator consult regarding the proper set-up and operation of vessel equipment?	ITU Publications	The manufacturers instruction manuals	Part 90 of the FCC Rules and Regulations	Code of Federal Regulations, Title 47, Part 80, Subpart W	3/15/01	

4	2357	C	When may a compulsory vessel not be allowed to leave port?	When the vessel is in an overloaded condition	When the vessel has arranged for both duplication of equipment AND shore-based	When the vessel has replaced a required piece of GMDSS-related equipment but	When the vessel is carrying only two licensed GMDSS radio operators and is capable of performing all	3/15/01	
4	2361	A	What are the conditions, under GMDSS, whereby a ship is NOT allowed to depart from any port?	The vessel is not capable of performing all required distress and safety functions.	The vessel is carrying more than the required number of qualified GMDSS radio operators.	The vessel has a temporary waiver of its radio license and Safety Certificate.	The vessel is not carrying a GMDSS radio maintainer, but has provided for shoreside maintenance	3/15/01	
4	2383	C	What is the minimum license requirement of a GMDSS radio operator?	Holding the marine radio operator permit is a pre-requisite before the GMDSS radio operator	Holding the general radiotelephone operator license with RADAR endorsement is sufficient	Holding a valid GMDSS radio operator license is sufficient	Holding either the general radiotelephone operator license or the first or second class radiotelegraph	3/15/01	
4	2386	D	What are the vessel equipment and personnel requirements for GMDSS?	Two licensed GMDSS radio operators	Equipment carriage requirements	Distress alerting and response	All of the above	3/15/01	
4	2387	C	A magnetic compass card is marked in how many degrees?	90	180	360	400	7/18/00	

4	2388	B	At sea, all required GMDSS equipment (other than survival craft equipment) must be proven operational by _____.	daily testing	either A or C	operational use of the equipment	testing at least every 48 hours	3/15/01	
4	2389	B	The best way to test the INMARSAT-C terminal is to _____.	send a message to a shore terminal and wait for confirmation	compose and send a brief message to your own INMARSAT-C terminal	send a message to another ship terminal	see if the send light flashes, then proper operation has been confirmed	3/15/01	
4	2395	A	A negative metacentric height _____.	should always be immediately corrected	will always cause a vessel to capsize	always results from off-center weights	All of the above are correct	8/8/00	
4	2397	D	Proper GMDSS watchkeeping includes _____.	monitoring all required frequencies in the proper mode	reading all displays and/or printouts after silencing an alarm	notifying the Master of any distress alerts	All of the above	3/15/01	
4	2398	D	Proper GMDSS watchkeeping includes _____.	understanding the GMDSS console's normal operational indicators	maintaining a proper GMDSS radio station log	responding to and comprehending alarms	All of the above	3/15/01	

4	2407	D	Which statement is TRUE concerning a required watch on VHF Channel 16?	It is compulsory at all times at sea until February 2005.	If a vessel is subject to the Bridge-to-Bridge Act and in a VTS system, a watch is not required on Ch-	It is always compulsory when in Sea Areas A1, A2, A3 and A4.	All of the above	3/15/01	
4	2416	C	Which statement is TRUE?	GMDSS radio logs are required to contain entries pertaining to all incidents connected to	All distress communications must be entered in the GMDSS radio log.	Both of the above	None of the above	3/15/01	
4	2417	D	Which statement is TRUE?	Key letters or abbreviations may not be used in GMDSS radio logbooks under any circumstance.	Urgent communications do not need to be entered in the GMDSS radio log.	Both of the above	None of the above	3/15/01	
4	2419	C	Where should the GMDSS radio log be kept on board ship?	In the Captain's office	In the sea cabin	At the GMDSS operating position	Anywhere on board the vessel	3/15/01	
4	2421	A	How many degrees are there on a compass card?	360ø	380ø	390ø	420ø	7/18/00	

4	2424	B	Which statement pertaining to log keeping is TRUE?	Entries relating to pre-voyage, pre-departure and daily tests are required	Both A and C	All distress, urgent and safety communications must be logged	Routine daily MF-HF and INMARSAT-C transmissions do not have to be logged	3/15/01	
4	2444	B	When sending a DSC call, the vessel's _____.	position will automatically be sent	position will only be sent if the vessel is making a distress call	MMSI will indicate its ocean region	None of the above	3/15/01	
4	2445	C	What does the DSC control unit do if the GMDSS radio operator fails to insert updated information when initiating a DSC distress alert?	It will abort the transmission and set off an audible alarm that must be manually reset.	It will initiate the DSC distress alert but, as no information will be transmitted, rescue personnel will	It will initiate the DSC distress alert and default information will automatically be transmitted.	It will initiate the DSC distress alert, but any station receiving it will have to establish contact with the	3/15/01	
4	2446	C	If a GMDSS radio operator initiates a DSC distress transmission but does not insert a message, what happens?	The transmission is aborted and an alarm sounds to indicate this data must be provided by the operator.	The transmission is not initiated and "ERROR" is indicated on the display readout."	The transmission will be made with default information provided automatically."	The receiving station will poll the DSC unit of the vessel in distress to download the necessary	3/15/01	
4	2477	A	Which statement is TRUE regarding the receipt and acknowledgement of distress alerts by ship stations and ship earth stations (SES)?	A ship or ship earth station that receives a distress alert must, as soon as possible, inform the Master or	Ship stations in receipt of distress alert should not defer acknowledgement for a short	Ship stations operating in areas where reliable communications with a coast station are not	Alerts concerning navigational hazards are second only to safety traffic.	3/15/01	

4	2481	D	Which action should be taken on receipt of a GMDSS distress alert?	Read the display screen and/or printout.	Silence the alarm.	Listen for any follow up voice/telex transmission on the appropriate frequency.	All of the above	3/15/01	
4	2528	B	Which action should you take after sending a false distress alert on VHF?	Send a DSC cancellation message on Ch-70.	Make a voice announcement to cancel the alert on Ch-16.	Make a voice announcement to cancel the alert on CH-13.	Make a voice announcement to cancel the alert on CH-22A.	3/15/01	
4	2531	D	What is the fundamental purpose for imposing radio silence?	To ensure that interference to proprietary communications is minimized	To ensure that only voice communications can be effected on the distress frequency or channel	To ensure that a distressed vessel will have a "window" twice each hour for transmitting routine	To ensure that interference on a particular frequency or channel to communications concerning	3/15/01	
4	2552	C	When can routine communications be resumed when radio silence has been imposed?	After determining that the frequency or channel appears to be no longer in use	After determining that geographic distance from the distress situation will prohibit any	Routine communications can resume after the Rescue Coordination Center transmits	If, in the Master's opinion, communications on that frequency will interfere with emergency	3/15/01	
4	2553	A	What is meant by the term radio silence"?"	Stations not directly involved with the on-going distress communications may not transmit on the distress	Stations remaining off the air to safeguard proprietary information	Two three-minute silent periods, at 15 and 45 minutes after the hour, that provide a transmitting	Communications on a distress frequency or channel is banned for 24 hours following the cessation of	3/15/01	

4	2554	A	How is radio silence" imposed?"	By the On Scene Coordinator (OSC)	By the Coast Earth Station (CES) controlling the distress communications on that frequency	It is imposed by the Public Correspondence Station (PCS) controlling the distress communications	It is imposed by the High Seas Service (HSS) controlling the distress communications on that	3/15/01	
4	2572	B	The radiotelephone urgency signal is _____.	mayday	pan pan	securite	seelonce feeneee	3/15/01	
4	2575	C	The urgent" priority should be used for messages _____."	concerning the Safety of Life at Sea (SOLAS)	detailing important navigational warnings	containing information concerning the safety of a mobile unit or person	concerning on-scene communications	3/15/01	
4	2576	A	When the GMDSS Radio Operator on watch hears SECURITE" spoken three times he can expect to receive a message concerning _____."	the safety of navigation or important meteorological warnings	the safety of a vessel or a person is in jeopardy	a vessel in need of immediate assistance	a coast station traffic list	3/15/01	
4	2577	A	The radiotelephone safety signal is _____.	securite" repeated 3 times"	safety" repeated 3 times"	pan pan" repeated 3 times"	securite securite" repeated 3 times"	3/15/01	

4	2579	B	What is the most appropriate action for a GMDSS radio operator to take in a distress situation where immediate help is needed, but the vessel is not sinking nor needs to be abandoned?	Switch off EPIRB and SART manually.	Transmit distress call by HV/MV/VHF or INMARSAT.	Notify the RCC (Rescue Coordination Center) through VHF FM on channel 13.	Transmit distress call by activating the radiotelegraph automatic alarm signal.	3/15/01	
4	2583	A	How can rescue personnel detect that a SART is transmitting in the immediate vicinity?	The SART's blips on the PPI will begin arcing and eventually become concentric circles.	The DSC unit will react to the SART's signal and respond with the two-tone autoalarm.	The SART can provide an approximate location to within a two nautical mile radius per IMO	The SART signal appears as a target which comes and goes; the effect of heavy swells on a SART.	3/15/01	
4	2592	B	Which signal is detected as originating from a SART?	The Morse code distress series S-O-S repeated 3 times followed by DE and the vessel's call sign	A line of blip code on a radar screen outward from the SART's position along its line of bearing	A line of blip code on a radar screen inward from the SART's position to its own ship along its line of	None of these	3/15/01	
4	2595	A	How can vessel personnel detect the operation of a SART in its vicinity?	A unique radar signal consisting of a blip code radiating outward from a SART's position along its line of	A unique two tone warbling" signal heard on VHF-FM ch-70"	A unique two tone alarm signal heard upon the automatic unmuting of the 2182 kHz radiotelephone	The SART signal appears as a target which comes and goes; the effect of heavy swells on the SART	3/15/01	
4	2606	B	Which device provides the main means in the GMDSS for locating ships in distress or their survival craft?	Radio direction finder	Satellite EPIRBs	MF/HF DSC	VHF homing device	3/15/01	

4	2609	A	Which action should the GMDSS radio operator take in a distress situation when embarking in survival craft?	Switch on EPIRB and SART immediately and leave on.	Switch on EPIRB and SART manually prior to launching and remain aboard vessel in distress.	Notify RCC (Rescue Coordination Center) through VHF DSC with portable equipment.	Communicate via Inmarsat-C from the survival craft.	3/15/01	
4	2617	C	Which is an exception to the garbage discharge requirements in Annex V to MARPOL 73/78?	The garbage to be discharged will sink.	Garbage accumulation on board has exceeded storage space.	A person falls overboard, and a plastic ice chest is thrown for flotation.	The destination port or terminal cannot receive garbage.	8/18/00	
4	2626	D	Which message categories cannot be disabled by the GMDSS radio operator?	Navigational warnings	Meteorological warnings	Search and Rescue information	All of the above	3/15/01	
4	2638	B	Marine Safety Information is promulgated via satellite through which system?	AMVER	SafetyNET	NAVTEX	INMARSAT-M SES	3/15/01	
4	2647	C	Which statement concerning GMDSS radio operator requirements is FALSE?	Each compulsory vessel must carry at least two licensed GMDSS radio operators at all times while at	Each compulsory vessel must carry at least two licensed GMDSS radio operators at all times while at	Communications involving safety of life at sea do not have to be logged as long as the compulsory	While at sea, adjustments to, and the maintaining of, GMDSS equipment may be performed	3/15/01	

4	2656	D	How long must the GMDSS radio log be retained on board?	At least two years after the last entry	At least one year after the last entry	At least 90 days after the last entry	At least 30 days after the last entry	3/15/01	
4	2658	D	As a vessel changes course to starboard, the compass card in a magnetic compass _____.	first turns to starboard then counterclockwise to port	also turns to starboard	turns counterclockwise to port	remains aligned with compass north	7/18/00	
4	2668	A	As a vessel changes course to starboard, the compass card in a magnetic compass _____.	remains aligned with compass north	also turns to starboard	first turns to starboard then counterclockwise to port	turns counterclockwise to port	7/27/00	
4	2687	C	As a vessel changes course to starboard, the compass card in a magnetic compass _____.	first turns to starboard then counterclockwise to port	also turns to starboard	remains aligned with compass north	turns counterclockwise to port	7/18/00	
4	2694	C	The heading of a vessel is indicated by what part of the compass?	Card	Needle	Lubber's line	Gimbals	7/18/00	

4	2776	B	The lubber's line of a magnetic compass _____.	always shows true north direction	indicates the vessel's heading	is always parallel to the vessel's transom	is located on the compass card	7/18/00	
4	2779	D	Error may be introduced into a magnetic compass by _____.	making a structural change to the vessel	a short circuit near the compass	belt buckles	All of the above	7/18/00	
4	2794	D	Which would influence a magnetic compass?	Electrical wiring	Iron pipe	Radio	All of the above	7/18/00	
4	2803	A	When a magnetic compass is not in use for a prolonged period of time it should _____.	be shielded from direct sunlight	be locked into a constant heading	have any air bubbles replaced with nitrogen	have the compensating magnets removed	7/18/00	
4	2805	D	A vessel heading NNW is on a course of _____.	274.5ø	292.0ø	315.5ø	337.5ø	7/18/00	

4	2806	C	A vessel heading NW is on a course of _____.	274.5ø	292.5ø	315.0ø	337.5ø	7/18/00	
4	2807	A	A vessel heading SSW is on a course of _____.	202.5ø	225.0ø	247.5ø	270.0ø	7/18/00	
4	2811	B	A vessel heading SW is on a course of _____.	202.5ø	225.0ø	247.5ø	270.0ø	7/18/00	
4	2813	C	A vessel heading WSW is on a course of _____.	202.5ø	225.0ø	247.5ø	271.0ø	7/18/00	
4	2815	B	A vessel heading WNW is on a course of _____.	270.0ø	292.5ø	315.0ø	337.5ø	7/18/00	

4	2817	C	A vessel heading SSE is on a course of _____.	112.5ø	135.0ø	157.5ø	180.0ø	7/18/00	
4	2821	B	A vessel heading SE is on a course of _____.	112.5ø	135.0ø	157.5ø	180.0ø	7/18/00	
4	2823	A	A vessel heading ESE is on a course of _____.	112.5ø	135.0ø	157.5ø	180.0ø	7/18/00	
4	2831	C	A vessel heading ENE is on a course of _____.	022.5ø	045.0ø	067.5ø	090.0ø	7/18/00	
4	2833	B	A vessel heading NE is on a course of _____.	022.5ø	045.0ø	067.5ø	090.0ø	7/18/00	

4	2835	A	A vessel heading NNE is on a course of _____.	022.5ø	045.0ø	067.5ø	090.0ø	7/18/00	
4	2836	A	The remote control for a fixed fire extinguishing system should be _____. (Uninspected Vessel Regulations)	painted red and labeled	concealed from the crew	protected by plexiglass	padlocked	8/16/00	
4	2849	C	A vessel would be referred to as stiff" when the weight of the cargo is _____."	evenly distributed vertically and the double bottoms are full	concentrated low and the double bottoms are empty	concentrated low and the double bottoms are full	concentrated high and the double bottoms are empty	7/3/00	
4	2852	C	You are fighting a fire in a watertight compartment using hoses and river water. Stability may be reduced because of _____.	progressive downflooding	reduction of water in the storage tanks	increase in free surface which reduces the metacentric height	reduction of KG to the minimum allowable	8/7/00	
4	2853	C	What can be used to measure the percentage of oxygen inside a confined space?	Flame safety lamp	Combustible gas indicator	Oxygen indicator	H2S meter	7/6/00	

4	2855	D	Deficient oxygen content inside a confined space can be detected with _____.	litmus paper	a combustible gas indicator	an oxygen breathing apparatus	an oxygen indicator	7/6/00	
4	2856	A	Which vessel is NOT required to have a Pollution Placard posted on board?	215-foot naval auxiliary vessel	75-foot towing vessel	50-foot cabin cruiser used for pleasure only	150-foot unmanned tank barge	7/6/00	
4	2857	D	Before operating a towboat greater than 100 gross tons it must have a fixed piping system to discharge oily mixtures ashore. This system must include_____.	approved oily-water separating equipment	a fixed or portable containment system at the shore connection	a spare pump in case the main pump is inoperative	at least one outlet accessible from the weather deck	7/6/00	
4	2861	B	What is the minimum number of portable fire extinguishers required on board a 35-foot towing vessel having a fixed fire system on board? (Uninspected Vessel Regulations)	1 B-I	2 B-I	3 B-I	4 B-I	7/6/00	
4	2863	D	You are berthed at a cargo facility where you have just completed discharging a dangerous cargo from your barge. You must complete topside repairs on the barge involving hot work before sailing. Which statement is TRUE?	You can make repairs with permission of the facility owner since you are empty and the cargo is on	The repair area must be inspected by a marine surveyor to ensure that it can be done safely.	Hot work repairs at such a facility are prohibited.	The Captain of the Port may give specific approval to make hot work repairs.	7/6/00	

4	2865	D	Which statement about the free surface correction is TRUE?	It is added to GM at light drafts and subtracted at deep drafts.	It is increased if the slack tank is not on the centerline.	It is decreased if the slack tank is below the KG of the vessel.	The correction decreases as the draft increases	7/7/00	
4	2869	B	Mechanical gearing of deck machinery such as the windlass or towing engine should _____.	be open to view so, if a foreign object gets in the gearing, the operator can immediately stop the	have a guard over the gearing	be painted a contrasting color from the base color in order to call attention to the gearing	not be operated if there is any crew within 10 feet of the machinery	7/10/00	
4	2881	A	How many type B-II hand portable fire extinguishers are required in the machinery space of an uninspected towing vessel with 1,400 B.H.P.? (Uninspected Vessel Regulations)	2	3	4	5	7/10/00	
4	2883	C	Life jackets should be stowed in _____.	survival craft	messrooms	readily accessible locations	locked watertight containers	7/18/00	
4	2903	D	Life jackets should be marked with the _____.	maximum weight allowed	stowage space assigned	vessel's home port	vessel's name	7/18/00	

4	2905	A	Each emergency light must be marked with _____.	the letter E""	an arrow pointing to the nearest exit	a no-smoking symbol	the word DANGER""	7/6/00	
4	2909	C	Following a collision or accident, the Master of each vessel involved must render assistance to persons affected by the collision or accident _____.	if he can do so without any risk to his vessel	if he can do so without undue delay	if he can do so without serious danger to his vessel or to individuals on board	without regard to any danger to his vessel	3/12/01	
4	2916	C	What is the minimum number of B-II hand portable fire extinguishers required on board a 105 GT towboat with a 7500 B.H.P. plant (including the machinery space)? (Uninspected Vessel Regulations)	6	8	9	11	8/16/00	
4	2918	B	Which statement is TRUE concerning the ventilation of engine and fuel tank compartments on uninspected towing vessels using fuel with a flash point of 100ø F? (Uninspected Vessel Regulations)	There shall be at least 3 ventilator ducts open to the atmosphere.	At least one exhaust duct shall extend from the open atmosphere to the lower portion of the	At least one intake duct shall extend from the open atmosphere to the lower portion of the	Only vessels using fuel with a flash point above 110ø F need ventilate engine and fuel compartments.	8/16/00	
4	2935	A	Which statement is TRUE concerning life jackets which are severely damaged?	They should be replaced.	They must be tested for buoyancy before being continued in use.	They can be repaired by a reliable seamstress.	They can be used for children.	7/18/00	

4	2965	B	Which is TRUE concerning immersion suits and their use?	Only a light layer of clothing may be worn underneath.	They provide sufficient flotation to do away with the necessity of wearing a life jacket.	They should be tight fitting.	A puncture in the suit will not appreciably reduce its value.	7/18/00	
4	2970	C	An immersion suit must be equipped with a/an _____.	air bottle for breathing	whistle and light	whistle, light, and reflective tape	whistle, light, and sea dye marker	7/31/00	
4	2971	D	Which statement about immersion suits is TRUE?	All models will automatically turn an unconscious person face-up in the water.	The immersion suit seals in body heat and provides protection against hypothermia	The suit is flameproof and provides protection to the wearer while swimming through burning	The suits provide for limited body movement such as walking, climbing a ladder and picking up	7/31/00	
4	2973	A	Which statement about immersion suits is TRUE?	Some models will automatically turn an unconscious person face-up in the water.	The immersion suit seals in body heat and provides protection against hypothermia for	The suit will still be serviceable after a brief (2-6minutes) exposure to flame and burning.	The wearer of the suit is not restricted in body movement and the suit may be donned well in advance	7/18/00	
4	2980	B	Which statement about immersion suits is TRUE?	All models will automatically turn an unconscious person face-up in the water.	The immersion suit reduces the rate of body cooling and increases the survival time in cold water to	The suit is flameproof and provides protection to a wearer swimming in burning oil.	The suit provides a full range of body movement and is suitable for routine wear on deck.	7/18/00	

4	2991	A	Which statement about immersion suits is TRUE?	Some models will not automatically turn an unconscious person face-up in the water.	The immersion suit seals in body heat and provides protection against hypothermia for	The suit is flameproof and provides protection to the wearer while swimming through burning	The wearer of the suit is severely restricted in body movement and the suit should	7/18/00	
4	2992	B	A 98 GT uninspected towing vessel with a 1500 B.H.P. engine capability would be required to carry how many type B-II hand portable fire extinguishers on board? (Uninspected Vessel Regulations)	2	4	6	8	8/16/00	
4	2995	B	On a rigid life raft which is equipped with all of the required equipment you may NOT find a _____.	boathook	fishing kit	lifeline or grab rail	sea painter	7/18/00	
4	2998	B	The minimum amount of lifesaving equipment required aboard an 85-foot uninspected towing vessel consists of _____. (Uninspected Vessel Regulations)	one approved flotation cushion for each person on board	one approved life preserver for each person on board and one lifebuoy	one approved inflatable vest for each person on board	lifeboat capacity equal to 1 1/2 times the number of persons on board	8/16/00	
4	3000	D	A rigid lifesaving device ONLY designed for survivors to hold on to while in the water is known as a _____.	life raft	life float	life preserver	buoyant apparatus	7/31/00	

4	3001	C	Which statement concerning immersion suits is TRUE?	Immersion suits should be worn during routine work on deck to provide maximum protection.	After purchasing, the suit should be removed from its storage bag and hung on a hanger where it	During the annual maintenance the front zipper should be lubricated with paraffin or	Small leaks or tears may be repaired using the repair kit packed with the suit.	7/18/00	
4	3003	C	How is the external flotation bladder of an immersion suit inflated?	It is inflated by a small CO2 bottle that is automatically tripped when the front zipper is at the top of	It is inflated by a small CO2 bottle that is manually tripped.	It is inflated by blowing through an inflation tube.	It inflates by seawater bleeding into the inflation bladder and reacting with a chemical.	7/18/00	
4	3020	C	How is the external flotation bladder of an immersion suit inflated?	It is inflated by a small CO2 bottle that is automatically tripped when the front zipper is at the top of	It is inflated by a small CO2 bottle that is manually tripped.	It is inflated by blowing through an inflation tube.	It inflates by seawater bleeding into the inflation bladder and reacting with a chemical.	7/26/00	
4	3032	A	Controls for a fixed carbon dioxide system shall be mounted _____. (Uninspected Vessel Regulations)	directly outside the space protected by the system	as near the gas cylinders as possible	in the pilothouse	on the main deck near the bow	8/16/00	
4	3035	B	The external inflation bladder on an immersion suit should be inflated _____.	before you enter the water	after you enter the water	after one hour in the water	after you notice that your suit is losing buoyancy	7/18/00	

4	3037	C	An immersion suit should be equipped with a/an _____.	air bottle for breathing	whistle and hand held flare	whistle, strobe light and reflective tape	whistle, hand held flare and sea dye marker	7/18/00	
4	3045	C	You are testing the external flotation bladder of an immersion suit and find it has a very slow leak. Which action should be taken?	Replace the suit.	Replace the inflation bladder.	Contact the manufacturer for repair instructions.	Some leakage should be expected and a topping off tube is provided; no other action is necessary.	7/18/00	
4	3048	A	What is required for a dry exhaust pipe? (small passenger vessel regulations)	Noncombustible hangers and supports	Insulation from combustible material	An automatic damper	A rain spray and spray cap	4/4/00	
4	3051	D	The external flotation bladder on an immersion suit should be inflated _____.	only after two hours in the water	only after four hours in the water	before entry into the water	upon entry into the water	7/18/00	
4	3053	D	On an OSV, when may a work vest be substituted for a required life jacket?	To replace a damaged life jacket	For use during fire drills	For use during boat drills	At no time	7/18/00	

4	3055	B	Which statement is TRUE concerning life jackets?	Bouyant vests may be substituted for life jackets.	Life jackets are designed to turn an unconscious person's face clear of the water.	Life jackets must always be worn with the same side facing outwards to float properly.	Lightly stained or faded life jackets will fail in the water and should not be used.	7/18/00	
4	3061	C	When transferring survivors from a survival craft to a rescue vessel, personnel on board the craft should _____.	remove their lifejackets to make it easier to climb on board the rescue vessel	climb on top of the survival craft while waiting their turn to transfer to the rescue vessel	remain seated inside the survival craft and make the transfer one person at a time	enter the water and swim over to the rescue vessel	7/18/00	
4	3063	C	The first AMVER position report must be sent within how many hours of departure?	48	36	24	12	5/26/00	
4	3065	A	Which precaution should be taken when testing a line throwing gun?	Never remove the line from the rocket.	Fire it at an angle of approximately 90 degrees to the horizon.	Wear asbestos gloves.	All of the above	7/18/00	
4	3067	A	The canopy of your liferaft should _____.	go into place as your liferaft is inflated	be put up after everyone is aboard	be put up only in severe weather	be used as a sail if the wind is blowing	7/18/00	

4	3078	D	If you see an individual fall overboard, you should _____.	throw them a lifebouy	hail man overboard""	pass the word to the bridge	All of the above	7/18/00	
4	3079	B	You are operator of an uninspected towing vessel of 150 GT with 3300 B.H.P. How much fire extinguishing equipment are you required to have on board? (Uninspected Vessel Regulations)	Three B-II hand portable fire extinguishers	Seven B-II hand portable fire extinguishers	Three B-II hand portable fire extinguishers and one B-II semiportable fire extinguishing system	Seven B-II hand portable fire extinguishers and a fixed fire extinguishing system	8/16/00	
4	3088	A	Using a sea anchor with the survival craft will _____.	reduce your drift rate	keep the survival craft from turning over	aid in recovering the survival craft	increase your visibility	8/11/00	
4	3095	A	While retrieving the survival craft, the engine should be stopped _____.	when the craft clears the water	when the cable has been attached	on approach to the platform	at the embarkation	7/28/00	
4	3097	B	When retrieving the survival craft, the winch operator should stop the winch and check _____.	that all personnel are seated in the craft	that the cable has not jumped any grooves on the drum	which way the wind is blowing	the hydraulic fuel level before lifting	7/18/00	

4	3102	A	Which type of fixed fire-extinguishing system is approved for use on board uninspected vessels? (Uninspected Vessel Regulations)	Carbon dioxide	Steam smothering	Chemical foam	All of the above	8/16/00	
4	3104	B	An emergency check-off list is required on vessels carrying six or fewer passengers for hire. The list must contain information on all of the following EXCEPT _____. (Uninspected Vessel Regulations)	precautions for rough weather	actions required in the event of accident	procedures for man overboard emergencies	emergency procedures for fire at sea	8/16/00	
4	3112	C	An 85 foot uninspected towing vessel with a crew of ten (10) persons on board must carry at LEAST _____. (Uninspected Vessel Regulations)	10 approved ring life buoys and 10 approved life preservers	10 approved work vests	10 approved life jackets and 1 approved ring life buoy	11 approved life preservers	8/16/00	
4	3129	D	If water is rising in the bilge of a survival craft, you should first _____.	abandon the survival craft	check for cracks in the hull	shift all personnel to the stern	check the bilge drain plug	7/19/00	
4	3132	D	If the water level is rising in the bilge of a survival craft, you should first _____.	increase the speed of the survival craft	shift all personnel to the bow	shift all personnel to the stern	check the bilge drain plug	7/19/00	

4	3142	D	In the machinery space of all uninspected motor vessels, there must be one type B-II hand portable fire extinguisher for every _____. (Uninspected Vessel Regulations)	500 S.H.P. of the main engines	1000 S.H.P. of the main engines	500 B.H.P. of the main engines	1000 B.H.P. of the main engines	8/16/00	
4	3143	C	The instructions for rescue boats and liferafts on an OSV must be approved by the _____.	lease operator	Minerals Management Service	Coast Guard	person-in-charge of the unit	7/19/00	
4	3152	D	U. S. Coast Guard approved work vests may be substituted life jackets _____. (Uninspected Vessel Regulations)	aboard work vessels	aboard towing vessels	aboard sailing vessels	under no circumstances	8/16/00	
4	3182	B	What is the minimum number of portable fire extinguishers required on board a 35-foot motorboat having a fixed fire system on board? (Uninspected Vessel Regulations)	1 B-I	2 B-I	3 B-I	4 B-I	7/6/00	
4	3186	A	Using a sea anchor will _____.	reduce the drift rate of the life raft	keep the life raft from turning over	aid in recovering the life raft	increase your visibility	7/19/00	

4	3188	D	The air spaces in the floor of an inflatable liferaft will provide protection against _____.	asphyxiation from CO2	loss of air in the sides of the raft	rough seas	cold water temperatures	7/19/00	
4	3192	A	Which statement is FALSE concerning the use of approved buoyant work vests on board uninspected towboats? (Uninspected Vessel Regulations)	They may be substituted for up to 50% of the required life preservers.	They shall be of an approved type.	They shall be stowed separately from required lifesaving equipment.	They may be worn by crew members when working near or over the water.	8/16/00	
4	3199	D	You are towing a 1,000 GT gasoline tank barge which is not gas free. By regulation, cargo tank hatches, ullage holes, and Butterworth plates on the barge may _____.	not be open without flame screens under any circumstances	be open without flame screens in good weather from 16 May to 15 September	be open without flame screens when the barge is empty	be open without flame screens under the supervision of the senior crew member on duty	7/6/00	
4	3203	A	The inside light in an inflatable liferaft is turned on _____.	automatically as the liferaft inflates	with a switch near the boarding handle	at night because the light has a photosensitive switch	by screwing the bulb in after the raft inflates	7/19/00	
4	3204	B	On most makes of inflatable liferafts, the batteries to operate the light on the inside of rafts can be made to last longer by _____.	unscrewing the bulb during the daylight	operating the switch for the light	taking no action as there is no way on saving power	taking no action as they shut off automatically in daylight	7/19/00	

4	3207	D	The lights on the outside of the canopy of an inflatable liferaft operate _____.	by turning the globe clockwise	by a switch at the light	by a light sensor	automatically when the raft is inflated	7/19/00	
4	3208	B	Water pockets on the underside of an inflatable liferaft are for _____.	catching rain water	stability	easy drainage	maneuverability	7/19/00	
4	3209	A	In the illustration shown, the floating sheath knife is indicated as item number _____.	2	8	13	16	3/20/01	See illustration number D014SA
4	3211	A	What is placed on the underside of an inflatable liferaft to help prevent it from being skidded by the wind or overturned?	Ballast bags	A keel	Strikes	Sea anchor	7/19/00	
4	3213	D	A safety feature provided on all inflatable liferafts is _____.	overhead safety straps	built in seats	internal releasing hooks	water stabilizing pockets	7/19/00	

4	3214	D	What does the B" on a "B-II" fire extinguisher refer to? (Uninspected Vessel Regulations)"	Size of the applicator	Size of the nozzle	Size of the extinguisher	Class of fire that the extinguisher should be used on	8/16/00	
4	3215	B	The jackknife stored on an inflatable liferaft will always be located _____.	in one of the equipment bags	in a special pocket near the forward entrance	on a cord hanging from the canopy	in a pocket on the first aid kit	7/19/00	
4	3217	D	Which of the devices listed will prevent an inflated liferaft from being pulled under by a vessel which sinks in water over 100 feet deep?	The hydrostatic release	A shear pin	A rottmer release	A weak link in the painter	7/27/00	
4	3231	D	A lifeline must be connected to the liferaft _____.	at the bow	at the stern	in the middle	all around	7/19/00	
4	3232	D	Which statement is TRUE concerning work vests aboard a vessel? (Uninspected Vessel Regulations)	They may be worn during drills.	They may be substituted for up to 10% of the required lifesaving gear aboard.	They need not be of an approved type.	They must be stowed separately from approved life preservers.	8/16/00	

4	3234	C	The abandon ship signal is _____.	a continuous ringing of general alarm bells for at least 10 seconds	a continuous ringing of the general alarm, and sounding of the ship's whistle	more than 6 short blasts and 1 long blast of the ship's whistle and the same signal on the general	a continuous sounding of the ship's whistle	4/4/00	
4	3251	D	A hydrostatic release mechanism for a liferaft _____.	must be wet before it will release	should be kept in a watertight cover except in an emergency	will inflate the raft in its cradle if operated manually	must be submerged to a certain depth to release automatically	7/19/00	
4	3254	B	All uninspected motor vessels constructed after 25 April 1940, which use fuel with a flash point of 110ø F (43ø C) or less, shall have at least what number of ventilator ducts for the removal of explosive or flammable gases from every engine and fue	1	2	3	4	7/6/00	
4	3269	A	What is the purpose of the liferaft's hydrostatic release?	To release raft automatically as the ship sinks	To inflate the raft automatically	To test rafts hydrostatically	None of the above	7/28/00	
4	3294	A	What is the purpose of the liferaft hydrostatic release?	To release the liferaft from the cradle automatically as the ship sinks	To inflate the raft automatically	To test rafts hydrostatically	None of the above	7/19/00	

4	3312	A	By regulation, life preservers aboard an uninspected towing vessel must be _____. (Uninspected Vessel Regulations)	readily accessible	securely stowed	stored in sealed containers	stowed with the emergency provisions	8/16/00	
4	3313	C	If the hydrostatic release mechanism for an inflatable liferaft is not periodically serviced and becomes inoperable, it will fail to _____.	set the water lights on immersion	release the dye marker from the liferaft	free the liferaft from the vessel	break the seal on the carbon dioxide cylinder	7/19/00	
4	3334	D	Inflatable liferafts are provided with _____.	a portable radio	an oil lantern	canned milk	a towing bridle	7/19/00	
4	3335	D	Inflatable liferafts are provided with a _____.	jackknife	towing connection	lifeline	All of the above	7/19/00	
4	3341	B	Inflatable liferafts are provided with a _____.	Very pistol	towing connection	portable radio	canned milk	7/19/00	

4	3345	A	When launching an inflatable liferaft, you should make sure that the operating cord is _____.	fastened to some substantial part of the vessel	not fastened to anything	secured to the hydrostatic release	fastened to the raft container	7/19/00	
4	3346	A	An inflatable liferaft is thrown into the water from a sinking vessel. Which action occurs automatically after the painter trips the CO2 bottles to inflate the raft?	The sea anchor is deployed.	The floor inflates.	If upside down, the raft will right itself.	The painter detaches from the raft.	7/19/00	
4	3351	D	You should deploy the sea anchor from the liferaft to _____.	keep the liferaft from capsizing	navigate against the current	keep personnel from getting seasick	stay in the general location	7/19/00	
4	3352	A	Which personal lifesaving device(s) is(are) approved for use on a towboat 150 feet in length? (Uninspected Vessel Regulations)	Life preserver	Buoyant vest or cushion	Special purpose safety device	All of the above	8/16/00	
4	3353	C	An inflatable liferaft can be launched by _____.	the float free method only	kicking the hydrostatic release	throwing the entire container overboard, then pulling on the operating cord to inflate the raft	removing the securing straps	7/19/00	

4	3355	C	The sea painter of an inflatable liferaft should be _____.	free running on deck	faked out next to the case	secured to a permanent object on deck via a weak link	stowed near the raft	7/19/00	
4	3357	B	What must be carried out in order to launch and inflate an inflatable liferaft?	Pull on the hydrostatic release, pull on the sea painter.	Push on the hydrostatic release, pull on the sea painter.	Push on the hydrostatic release, push on the sea painter.	Pull on the hydrostatic release, push on the sea painter.	7/19/00	
4	3363	B	What must be carried out in order to manually launch an inflatable liferaft not designed for float-free operation?	It will be easily launched by simply breaking the weak link.	Depress the hydrostatic release button.	It is easily launched by cutting the container securing straps.	It is only necessary to attach the weak link to the vessel.	7/19/00	
4	3365	B	What is the correct procedure to follow when launching an inflatable liferaft by hand from an OSV?	Connect the float free link to the vessel.	Pull the painter from the container and make it fast to the cleat provided.	Open the canopy relief valves.	Remove the raft from the container to permit complete inflation.	7/19/00	
4	3366	C	An inflatable liferaft is floating in its container, attached to the ship by its painter, as the ship is sinking rapidly. Which action should be taken with respect to the liferaft container?	Cut the painter line so that it will not pull the liferaft container down.	Swim away from the container so that you will not be in danger as it goes down.	Take no action as the pull on the painter will cause the liferaft to inflate and open the container.	Manually open the container and inflate the liferaft with the hand pump.	7/27/00	

4	3367	A	After a liferaft is launched, the operating cord _____.	serves as a sea painter	detaches automatically	is used to rig the boarding ladder	is cut immediately as it is of no further use	7/20/00	
4	3382	D	A 6,000 BHP, 199 GT tug operating on the Great Lakes is required to carry how many B-II extinguishers? (Uninspected Vessel Regulations)	2	3	6	9	7/6/00	
4	3399	D	Which sizes of fire extinguishers are considered to be semi-portable? (Uninspected vessel regulations)	I, II, III, IV, and V	I, II, and III only	II, III, and IV only	III, IV, and V only	7/13/00	
4	3406	A	After having thrown the liferaft and stowage container into the water, the liferaft is inflated by _____.	pulling on the painter line	forcing open the container which operates the CO2	hitting the hydrostatic release	using the hand pump provided	7/20/00	
4	3407	C	The most important thing to remember when launching an inflatable liferaft by hand is to _____.	open the CO2 inflation valve	open the raft container	ensure that the operating cord is secured to the vessel	inflate the raft on the vessel, then lower it over the side	7/20/00	

4	3409	D	To launch a liferaft by hand, you should _____.	cut the casing bands, throw the raft over the side and it will inflate by itself	detach the operating cord, throw the liferaft over the side and it will then inflate	cut the casing bands, throw the raft over the side and pull the operating cord	throw the liferaft over the side and pull the operating cord	7/20/00	
4	3414	B	A rigid lifesaving device designed to support survivors in the water is a _____.	rigid life raft	life float	inflatable life raft	survival capsule	7/5/00	
4	3416	C	The instructions for the launching of lifeboats and liferafts must be approved by the _____.	lease operator	Minerals Management Service	Coast Guard	person-in-charge of the unit	7/20/00	
4	3417	D	Which statement is TRUE concerning an inflatable liferaft?	The floor may be inflated for insulation from cold water.	Crew members may jump into the raft without damaging it.	The raft may be boarded before it is fully inflated.	All of the above	7/20/00	
4	3421	D	In order to retrieve an inflatable liferaft and place it on deck, you should heave on the _____.	lifelines	righting strap	sea anchor	towing bridle	7/20/00	

4	3433	C	An inflatable liferaft should be lifted back aboard ship by using _____.	the single hook at the top of the raft	two line passed under the raft	the towing bridle	All of the above	7/20/00	
4	3436	D	After launching, an inflatable raft should be kept dry inside by _____.	opening the automatic drain plugs	draining the water pockets	using the electric bilge pump	using the bailers and cellulose sponge	7/20/00	
4	3438	A	Generally, when lifting an inflatable liferaft back aboard ship, you would use the _____.	towing bridle	main weather cover	external lifelines	righting strap	7/20/00	
4	3439	D	An inflatable liferaft should be manually released from its cradle by _____.	cutting the straps that enclose the container	removing the rubber sealing strip from the container	loosening the turnbuckle on the securing strap	pushing the button on the hydrostatic release	7/20/00	
4	3446	A	To release the davit cable of a davit launched life raft, you must _____.	pull the release lanyard	pull the hydraulic release	push the release button	pull on the ratchet handle	7/20/00	

4	3453	D	Your rescue craft is broken down and rolling in heavy seas. You can reduce the possibility of capsizing by _____.	shifting the rudder constantly	moving all personnel forward and low	moving all personnel aft	rigging a sea anchor	8/2/00	
4	3456	B	When a sea anchor for a survival craft is properly rigged, it will _____.	completely stop the survival craft from drifting	help to prevent broaching	prevent the survival craft from pitching	prevent the survival craft from rolling	7/20/00	
4	3457	A	Using a sea anchor will _____.	reduce your drift rate	keep the life raft from turning over	aid in recovering the life raft	increase your visibility	7/20/00	
4	3462	D	A rigid lifesaving device only designed for survivors to hold on to while in the water is known as a _____.	life raft	life float	life preserver	buoyant apparatus	7/5/00	
4	3463	D	Which of the following statements relating to AMVER (Automated Mutual-assistance Vessel Rescue) is TRUE?	An AMVER participant is under greater obligation to render assistance to a vessel in distress	An AMVER participant is not relieved of the obligation to give 24 hour advance notice to the U.S.	The AMVER system does not reduce the time lost for vessels responding to calls for assistance.	There is no cost to the ship or owner for messages sent within the AMVER system.	6/21/00	

4	3466	B	A sea anchor is _____.	a heavy metal anchor with an extra long line used to anchor in deep water	a cone shaped bag used to slow down the wind drift effect	a padeye to which the sea painter is made fast	made of wood if it is of an approved type	7/27/00	
4	3467	D	An emergency sea anchor may be constructed by using _____.	a boat bucket	an air tank filled with water	an oar and canvas weighted down	All of the above	7/20/00	
4	3468	A	Handholds or straps on the underside of an inflatable liferaft are provided _____.	to right the raft if it capsizes	to carry the raft around on deck	for crewmen to hang on to	to hang the raft for drying	7/28/00	
4	3469	B	The knife on an inflatable liferaft will always be located _____.	in one of the equipment bags	in a special pocket on the exterior of the canopy	on a cord hanging from the canopy	in a pocket on the first aid kit	7/20/00	
4	3472	B	If you find an inflatable life raft container with the steel bands still in place around its case, you should _____.	tell the Master	leave the bands in place	tell the Mate	remove the bands yourself	7/27/00	

4	3473	C	In each inflatable rescue boat, what piece of equipment is provided to make quick, emergency, temporary repairs to a large hole in a raft?	No equipment is provided.	Glue and rubber patches	Several various-sized sealing clamps	Self-adhesive rubberized canvas patches	7/20/00	
4	3478	A	Puncture leaks in the lower tubes or bottom of an inflatable liferaft should FIRST be stopped by using _____.	sealing clamps	repair tape	a tube patch	sail twine and vulcanizing kit	7/20/00	
4	3479	C	A feature of an inflatable raft which helps keep people stationary in rough weather is _____.	lashings on the floor of the raft for the passenger's feet	straps from the overhead	lifelines on the inside of the raft	ridges in the floor of the raft	7/20/00	
4	3487	A	Generally, what is used to inflate life rafts?	non-toxic inert gas	Oxygen	Hydrogen	Carbon monoxide	7/20/00	
4	3488	B	Who should inspect and test an inflatable life raft?	The person in charge	An approved servicing facility	Shipyard personnel	A certificated lifeboatman	7/20/00	

4	3489	C	If the hydrostatic release mechanism for an inflatable liferaft is not periodically serviced and becomes inoperative, it will NOT _____.	set the water lights on immersion	release the dye-marker from the liferaft	free the liferaft from a sinking vessel	break the seal on the carbon dioxide cylinder	7/20/00	
4	3497	A	What is the purpose of the hydrostatic release on an inflatable life raft?	To release the raft from the cradle automatically as the ship sinks	To inflate the raft automatically	To test the rafts hydrostatically	None of the above	7/20/00	
4	3556	A	The normal equipment of every rescue boat shall include _____.	compass	one 50 meter line	one can opener	All of the above	7/20/00	
4	3558	A	Limit switches are located on the survival craft winch systems for OSVs to _____.	stop the winch just before the survival craft reaches final stowage position	limit the amount of cable on the drum	limit the ascent rate	stop the winch in case the craft's weight exceeds the load lift limit	7/28/00	
4	3559	A	The rescue boat on an OSV is not required to carry a _____.	fishing kit	searchlight	sea anchor	radar reflector	1/26/01	

4	3562	C	The Master or person-in-charge of an OSV shall insure that each deck from which rescue boats are launched is _____.	surfaced with a nonskid texture	roped off to prevent unnecessary access	kept clear of any obstructions that would interfere with launching	posted with a list of persons assigned to the rescue boat	7/27/00	
4	3564	A	The sea painter of a rescue boat should be led _____.	forward and outboard of all obstructions	forward and inboard of all obstructions	up and down from the main deck	to the foremost point on the vessel	7/20/00	
4	3566	D	The normal equipment of every rescue boat shall include _____.	buoyant oars	one 50 meter line	one first aid kit	All of the above	7/20/00	
4	3569	D	If help has not arrived in 10-12 hours after abandoning a vessel in a rescue boat, you should _____.	go in one direction until the fuel runs out	steer a course for the nearest land	steer a course for the nearest sea lane	shut down the engines if installed and put out the sea anchor	7/20/00	
4	3585	D	When a man who has fallen overboard is being picked up by a rescue boat, the boat should normally approach with the wind _____.	astern and the victim just off the bow	ahead and the victim just off the bow	just off the bow and the victim to windward	just off the bow and the victim to leeward	7/28/00	

4	3586	C	A person has fallen overboard and is being picked up with a rescue boat. If the person appears in danger of drowning, the rescue boat should be maneuvered to make_____.	an approach from leeward	an approach from windward	the most direct approach	an approach across the wind	7/20/00	
4	3587	D	A person has fallen overboard and is being picked up with a rescue boat. If the person appears in danger of drowning, the rescue boat should be maneuvered to make_____.	an approach from leeward	an approach from windward	an approach across the wind	the most direct approach	7/20/00	
4	3588	B	For the purpose of training and drills, if reasonable and practicable, rescue boats on an OSV must be launched with their assigned crew _____.	once a week	once a month	once a year	twice a year	7/28/00	
4	3589	C	Class B" EPIRBS transmit on frequencies that are monitored by _____."	orbiting satellites in space	commercial radio stations	private, commercial and military aircraft	commercial fishing vessels	7/20/00	
4	3592	A	When should the emergency position-indicating radio beacon be activated after abandoning an OSV?	Immediately	After one hour	Only when another vessel is in sight	Only after sunset	7/20/00	

4	3594	D	After having activated the emergency position indicating radio beacon, you should _____.	turn it off for 5 minutes every half-hour	turn it off and on at 5 minute intervals	turn it off during daylight hours	leave it on continuously	7/20/00	
4	3598	D	If you have to abandon ship, the EPIRB can be used to _____.	hold the survival craft's head up into the seas	generate orange smoke	seal leaks in rubber rafts	send radio homing signals to searching aircraft	7/20/00	
4	3599	A	What should you do with your emergency position indicating radio beacon if you are in a lifeboat during storm conditions?	Bring it inside the liferaft and leave it on.	Bring it inside the liferaft and turn it off until the storm passes.	Leave it outside the liferaft and leave it on.	Leave it outside the liferaft and turn it off.	7/24/00	
4	3613	D	You are in a survival craft broadcasting a distress message. What information would be essential to your rescuers?	The nature of the distress	The time of day	Your radio call sign	Your position by latitude and longitude	7/24/00	
4	3626	A	When personnel are lifted by a helicopter from an inflatable liferaft, the personnel on the raft should _____.	deflate the floor of the raft to reduce the danger of capsizing	inflate the floor of the raft to provide for additional stability	remove their lifejackets to prepare for the transfer	take in the sea anchor to prevent fouling of the rescue sling	7/24/00	

4	3628	D	Each vessel in ocean and coastwise service must have an approved EPIRB. An EPIRB _____.	must be stowed in a manner so that it will float free if the vessel sinks	must be stowed where it is readily accessible for testing and use	is a device that transmits a radio signal	All of the above	7/24/00	
4	3629	D	When a helicopter is lifting personnel from a rescue boat, the other individuals in the boat should _____.	enter the water in case the person being lifted slips from the sling	stand on the outside of the boat to assist the person being lifted	remove their lifejackets to prepare for their transfer to the helicopter	remain seated inside to provide body weight for stability	7/24/00	
4	3632	D	When using a handheld smoke signal in a liferaft, you should activate the signal _____.	on the upwind side	inside the boat	at the stern	on the downwind side	7/24/00	
4	3638	A	When using a handheld smoke signal in a liferaft, you should activate the signal _____.	on the downwind side	inside the boat	at the stern	on the upwind side	7/24/00	
4	3639	A	Which condition represents the appropriate time for setting off distress flares and rockets?	Only when there is a chance of their being seen by rescue vessels	At half hour intervals	At one hour intervals	Immediately upon abandoning the vessel	7/27/00	

4	3641	B	Signaling devices required on inflatable life rafts include a(n) _____.	Very pistol	orange smoke signal	air horn	lantern	7/24/00	
4	3645	C	Signaling devices which are required on inflatable life rafts include _____.	a rocket shoulder rifle	an oil lantern	red flares	an air horn	7/24/00	
4	3646	B	One of the signals, other than a distress signal, that can be used by a rescue boat to attract attention is a/an _____.	red star shell	searchlight	burning barrel	orange smoke signal	7/31/00	
4	3647	C	A distress signal _____.	consists of 5 or more short blasts of the fog signal apparatus	consists of the raising and lowering of a large white flag	may be used individually or in conjunction with other distress signals	is used to indicate doubt about another vessel's intentions	7/24/00	
4	3648	A	All of the following are recognized distress signals under the Navigation Rules EXCEPT _____.	a green star signal	orange-colored smoke	red flares	the repeated raising and lowering of outstretched arms	7/24/00	

4	3649	D	A man aboard a vessel, signaling by raising and lowering his outstretched arms to each side, is indicating _____.	danger, stay away	all is clear, it is safe to pass	all is clear, it is safe to approach	a distress signal	7/24/00	
4	3651	D	Distress signals may be _____.	red flares	smoke signals	sound signals	Any of the above	7/24/00	
4	3653	B	When a vessel signals her distress by means of a gun or other explosive signal, the firing should be at intervals of approximately _____.	10 minutes	1 minute	1 hour	3 minutes	7/24/00	
4	3655	D	You can indicate that your vessel is in distress by _____.	displaying a large red flag	displaying three black balls in a vertical line	sounding five or more short and rapid blasts on the whistle	continuously sounding the fog whistle	7/24/00	
4	3666	D	When you are firing a pyrotechnic distress signal, it should be aimed at _____.	straight overhead	at the vessel whose attention you are trying to get	into the wind	about 60 degrees above the horizon	7/24/00	

4	3672	A	Which item of the listed survival craft equipment would be the most suitable for night signaling to a ship on the horizon?	A red parachute flare	A red handheld flare	An orange smoke flare	A flashlight	7/28/00	
4	3674	C	Which condition represents the appropriate time for setting off distress flares and rockets?	At one hour intervals	At half hour intervals	Only when there is a chance of their being seen by rescue vessels	Immediately upon abandoning the vessel	7/27/00	
4	3676	D	You have abandoned ship and after two days in a liferaft you can see an aircraft near the horizon apparently carrying out a search pattern. You should _____.	switch the EPIRB to the homing signal mode	use the voice transmission capability of the EPIRB to guide the aircraft to your raft	turn on the strobe light on the top of the EPIRB	use visual distress signals in conjunction with the EPIRB	7/27/00	
4	3678	C	When giving mouth-to-mouth rescue breathing to an adult, you should breathe at the rate of how many breaths per minute?	4	8	12	20	7/31/00	
4	3679	B	You are alone and administering CPR to an adult victim. How many chest compressions and how many inflations should you administer in each sequence?	5 compressions then 1 inflation	15 compressions then 2 inflations	20 compressions then 3 inflations	30 compressions then 4 inflations	7/24/00	

4	3680	A	When administering artificial respiration to an adult, the breathing cycle should be repeated about _____.	12 to 15 times per minute	18 to 20 times per minute	20 to 25 times per minute	as fast as possible	7/24/00	
4	3682	B	At what rate would you render mouth to mouth or mouth to nose artificial respiration to an adult?	4 to 6 times per minute	12 to 15 times per minute	20 to 30 times per minute	At least 30 times per minute	7/24/00	
4	3684	C	The rescuer can best provide an airtight seal during mouth-to-mouth resuscitation by pinching the victim's nostrils and _____.	cupping a hand around the patient's mouth	keeping the head elevated	applying his mouth tightly over the victim's mouth	holding the jaw down firmly	7/24/00	
4	3686	D	When applying chest compressions on an adult victim during CPR, the sternum should be depressed about _____.	1/2 inch or less	1/2 to 1 inch	1 to 1-1/2 inches	1-1/2 to 2 inches	7/24/00	
4	3688	A	You are administering chest compressions during CPR. Where on the victim's body should the pressure be applied?	Lower half of the sternum	Tip of the sternum	Top half of the sternum	Left chest over the heart	7/24/00	

4	3689	A	Changing rescuers while carrying out artificial respiration should be done _____.	without losing the rhythm of respiration	only with the help of two other people	by not stopping the respiration for more than 5 minutes	at ten-minute intervals	7/24/00	
4	3690	B	The MOST important element in administering CPR is _____.	having the proper equipment for the process	starting the treatment quickly	administering of oxygen	treating for traumatic shock	7/24/00	
4	3692	A	Before CPR is started, you should _____.	establish an open airway	treat any bleeding wounds	insure the victim is conscious	make the victim comfortable	7/24/00	
4	3694	B	When administering artificial respiration, it is MOST important to _____.	monitor blood pressure	clear airways	use the rhythmic pressure method	know all approved methods	7/24/00	
4	3698	D	You are attempting to administer CPR to a victim. When you blow into his mouth it is apparent that no air is getting into the lungs. What should you do?	Blow harder to force the air past the tongue.	Raise the victim's head higher than his feet.	Press on the victim's lungs so that air pressure will blow out any obstruction.	Re-tip the head and try again.	7/24/00	

4	3699	C	Two people are administering CPR to a victim. How many times per minute should the chest be compressed?	30	45	60	80	7/24/00	
4	3700	B	Sign(s) of respiratory arrest requiring artificial respiration is(are) ____.	vomiting	blue color and lack of breathing	irregular breathing	unconsciousness	7/24/00	
4	3702	D	You may have to give artificial respiration after an accidental ____.	drowning	electrocution	poisoning	All of the above	7/24/00	
4	3704	C	After a person has been revived by artificial respiration, he should be ____.	walked around until he is back to normal	given several shots of whiskey	kept lying down and warm	allowed to do as he wishes	7/24/00	
4	3708	D	If the patient vomits during mouth-to mouth resuscitation, the rescuer should FIRST ____.	ignore it and continue mouth-to-mouth ventilation	pause for a moment until the patient appears quiet again, then resume ventilation	switch to mouth-to-nose ventilation	turn the patient's body to the side, sweep out the mouth and resume mouth-to-mouth	7/24/00	

4	3709	C	When starting CPR on a drowning victim, you should _____.	start chest compressions before the victim is removed from the water	drain water from the lungs before ventilating	begin mouth-to-mouth ventilations as soon as possible	do not tilt the head back since it may cause vomiting	7/24/00	
4	3710	A	Which statement is CORRECT with respect to inserting an airway tube?	Only a trained person should attempt to insert an airway tube.	A size 2 airway tube is the correct size for an adult.	The airway tube will not damage the victim's throat.	Inserting the airway tube will prevent vomiting.	7/24/00	
4	3711	A	Changing rescuers while carrying out artificial respiration should be done _____.	without losing the rhythm of respiration	only with the help of two other people	by not stopping the respiration for more than 5 minutes	ar ten minute intervals	7/24/00	
4	3712	C	The rescuer can best provide an airtight seal during mouth to mouth ventilation by pinching the victims nostrils and _____.	cupping a hand around the patient's mouth	keeping the head elevated	applying his mouth tightly over the victim's mouth	holding the jaw down firmly	7/24/00	
4	3714	C	If someone suffers a heart attack and has ceased breathing, you should _____.	immediately give a stimulant, by force if necessary	make the victim comfortable in a bunk	immediately start CPR	administer oxygen	7/24/00	

4	3715	B	The necessity for administering artificial respiration may be recognized by the victim's _____.	vomiting	blue color and lack of breathing	irregular breathing	unconscious condition	7/24/00	
4	3716	C	In order to initiate CPR on a drowning victim, _____.	start chest compresions before the victim is removed from the water	drain water from the lungs before ventilating	begin mouth-to-mouth ventilations	do not tilt the head back since it may cause vomiting	7/24/00	
4	3718	A	Treatments of heat exhaustion consist of _____.	moving to a shaded area and laying down	bathing with rubbing alcohol	placing the patient in a tub of cold water	All of the above	7/24/00	
4	3719	D	Symptoms of heat stroke are _____.	cold and moist skin, high body temperature	cold and dry skin, low body temperature	hot and moist skin, high body temperature	hot and dry skin, high body temperature	7/24/00	
4	3720	B	What are the symptoms of sun stroke?	Temperature falls below normal, pulse is rapid and feeble, skin is cold and clammy.	Temperature is high, pulse is strong and rapid, skin is hot and dry.	Temperature is high, pulse is slow and feeble, skin is clammy.	Temperature falls below normal, pulse is rapid, skin is clammy.	7/24/00	

4	3721	A	Treatment of sunstroke consists principally of _____.	cooling, removing to shaded area, and lying down	bathing with rubbing alcohol	drinking ice water	All of the above	7/24/00	
4	3722	C	To treat a person suffering from heat exhaustion, you should _____.	administer artificial respiration	put him in a tub of ice water	give him sips of cool water	cover him with a light cloth	7/24/00	
4	3723	A	A patient suffering from heat exhaustion should be____ _____.	moved to a cool room and told to lie down	kept standing and encouraged to walk slowly and continuously	given a glass of water and told to return to work after 15 minutes of rest	None of the above are correct	7/24/00	
4	3724	C	Physical exertion on the part of a person who has fallen into cold water would _____.	be the best thing to try if there was no rescue in sight	increase survival time in the water	increase the rate of heat loss from the body	not affect the heat loss from the body	7/24/00	
4	3725	A	A crew member has suffered frostbite to the toes of both feet. You should _____.	immerse the feet in warm water	warm the feet with a heat lamp	warm the feet at room temperature	rub the feet	7/24/00	

4	3726	D	Treatment of frostbite includes _____.	rubbing affected area with ice or snow	rubbing affected area briskly to restore circulation	wrapping area tightly in warm cloths	warming exposed parts rapidly	7/24/00	
4	3728	A	A crew member has suffered frostbite to the toes of the right foot. Which is NOT an acceptable first aid measure?	Rub the toes briskly.	Elevate the foot slightly.	Rewarm rapidly.	Give aspirin or other medication for pain if necessary.	7/24/00	
4	3729	B	A crew member suffering from hypothermia should be given _____.	a small dose of alcohol	treatment for shock	a large meal	a brisk rub down	7/24/00	
4	3730	D	The symptoms of heat exhaustion are _____.	slow and strong pulse	flushed and dry skin	slow and deep breathing	pale and clammy skin	7/24/00	
4	3732	B	Heat exhaustion is caused by excessive _____.	loss of body temperature	loss of water and salt from the body	gain in body temperature	intake of water when working or exercising	7/24/00	

4	3734	B	Which procedure should be followed when individuals are rescued in cold climates and suffer from hypothermia?	Give them brandy or other alcoholic stimulation to promote a return to an acceptable body	Move them to a warm room to gradually raise their body temperature.	Keep them moving to stimulate circulation to raise their body temperature.	Warm them under an electric blanket to rapidly regain normal body temperature.	7/24/00	
4	3736	C	The most effective treatment for warming a crew member suffering from hypothermia is ____.	running or jumping to increase circulation	raising body temperature rapidly by placing hands and feet in hot water	bundling the body in blankets to rewarm gradually	laying prone under heat lamps to rewarm rapidly	7/24/00	
4	3738	A	A crew member is unconscious and the face is flushed. You should _____.	lay the crew member down with the head and shoulders slightly raised	administer a liquid stimulant	lay the crew member down with the head lower than the feet	attempt to stand the crew member upright to restore consciousness	7/24/00	
4	3739	D	Which procedure should NOT be done for a person who has fainted?	Revive the person with smelling salts.	Loosen the clothing.	Lay the person horizontally.	Give pain reliever.	7/24/00	
4	3740	D	The proper stimulant for an unconscious person is _____.	tea	coffee	whiskey and water	ammonia inhalant	7/24/00	

4	3742	A	A rescuer can most easily determine whether or not an adult victim has a pulse by checking the pulse at the _____.	carotid artery in the neck	femoral artery in the groin	brachial artery in the arm	radial artery in the wrist	7/24/00	
4	3744	A	Which should NOT be a treatment for a person who has received a head injury and is groggy or unconscious?	Give a stimulant.	Elevate his head.	Stop severe bleeding.	Treat for shock.	7/24/00	
4	3745	A	In reviving a person who has been overcome by gas fumes, what would you AVOID doing?	Giving stimulants	Prompt removal of the patient from the suffocating atmosphere	Applying artificial respiration and massage	Keeping the patient warm and comfortable	7/24/00	
4	3746	D	A conscious victim who has suffered a blow to the head has symptoms that indicate the possibility of concussion. If the patient feels no indication of neck or spine injury, recommended treatment would include _____.	turning the victim's head to the side to keep his airway open	positioning the victim so the head is lower than the body	giving the victim water if he is thirsty, but no food	elevating the head and shoulders slightly with a pillow	7/24/00	
4	3747	B	A person who gets battery acid in an eye should IMMEDIATELY wash the eye with _____.	boric acid solution	water	baking soda solution	ammonia	7/24/00	

4	3748	D	A victim is coughing and wheezing from a partial obstruction of the airway. An observer should _____.	perform the Heimlich maneuver	immediately start CPR	give back blows and something to drink	allow the person to continue coughing and dislodge the obstruction on his own	7/24/00	
4	3749	D	If a person gets something in his or her eye and you see that it is not embedded, you can _____.	get them to rub their eye until the object is gone	remove it with a match or toothpick	remove it with a piece of dry sterile cotton	remove it with a moist, cotton-tipped applicator	7/24/00	
4	3750	B	While providing assistance to a victim of an epileptic seizure, it is most important to _____.	give artificial respiration	prevent patient from hurting himself	keep the patient awake and make him/her walk if necessary to keep him/her awake	remove any soiled clothing and put the patient in a clean bed	7/24/00	
4	3751	A	A shipmate chokes suddenly, cannot speak, and starts to turn blue. You should _____.	perform the Heimlich maneuver	make the victim lie down with the feet elevated to get blood to the brain	immediately administer CPR	do nothing until the victim becomes unconscious	7/24/00	
4	3752	B	A shipmate suffers a heart attack and stops breathing. You must _____.	administer oxygen	immediately check his pulse and start CPR	make the victim comfortable in a bunk	immediately give a stimulant, by force if necessary	7/24/00	

4	3753	D	A shipmate suffers a heart attack and stops breathing. You must _____.	immediately give a stimulant, by force if necessary	make the victim comfortable in a bunk	administer oxygen	immediately start CPR	7/24/00	
4	3754	C	First aid means _____.	medical treatment of accident	setting of broken bones	emergency treatment at the scene of the injury	dosage of medications	7/24/00	
4	3755	C	To reduce mild fever the MOST useful drug is _____.	bicarbonate of soda	paregoric	aspirin	aromatic spirits of ammonia	7/24/00	
4	3756	A	Treatment of sunstroke consists principally of _____.	cooling, removing to shaded area, and lying down	bathing with rubbing alcohol	drinking ice water	All of the above	7/24/00	
4	3757	B	What are the symptoms of sun stroke?	Temperature falls below normal, pulse is rapid and feeble, skin is cold and clammy.	Temperature is high, pulse is strong and rapid, skin is hot and dry.	Temperature is high, pulse is slow and feeble, skin is clammy.	Temperature falls below normal, pulse is rapid, skin is clammy.	7/24/00	

4	3758	C	To treat a person suffering from heat exhaustion, you should _____.	administer artificial respiration	put him in a tub of ice water	give him sips of cool water	cover him with a light cloth	7/24/00	
4	3759	C	Seasickness is caused by rolling or rocking motions which affect fluids in the _____.	stomach	lower intestines	inner ear	bladder	7/24/00	
4	3760	B	Symptoms of sea sickness include _____.	fever and thirst	nausea and dizziness	stomach cramps and diarrhea	reddening of skin and hives	7/24/00	
4	3761	A	Symptoms of sugar diabetes include _____.	increased appetite and thirst	decreased appetite and thirst	gain in weight	elevated temperature	7/24/00	
4	3762	D	The symptoms of a fractured back are _____.	leg cramps in the muscles in one or both legs	pain and uncontrolled jerking of the legs and arms	vomiting and involuntary urination or bowel movement	pain at the site of the fracture and possible numbness or paralysis below the injury	7/24/00	

4	3763	B	What is the procedure for checking for spinal cord damage in an unconscious patient?	Beginning at the back of the neck, and proceeding to the buttocks, press the spine to find where it	Prick the skin of the hands and the soles of the feet with a sharp object to check for reaction	Selectively raise each arm and each leg and watch patient's face to see if he registers pain	Roll patient onto his stomach and prick along the length of his spine to check reaction	7/24/00	
4	3764	C	What are symptom(s) of a ruptured appendix?	Dilated pupils and shallow breathing	Diarrhea and frequent urination	Muscle tenseness in almost the entire abdomen	Extreme sweating and reddening skin	7/24/00	
4	3765	C	When administering first aid you should avoid _____.	any conversation with the patient	instructing bystanders	unnecessary haste and appearance of uncertainty	touching the patient before washing your hands	7/24/00	
4	3766	B	The primary concern in aiding a back injury patient is _____.	relieving the patient's pain by giving aspirin or stronger medication	avoiding possible injury to the spinal cord by incorrect handling	preventing convulsions and muscle spasms caused by the pain	providing enough fluids to prevent dehydration	7/24/00	
4	3767	B	When whistle signals are used for launching lifeboats, one short blast means _____.	use the float-free method only""	lower all boats""	raise all boats""	drill is over, secure all boats""	7/24/00	

4	3768	A	What is one of the FIRST actions you should take after abandoning and clearing away from a vessel?	Identify the person in charge.	Gather up useful floating objects.	Prepare for arrival of rescue units.	Arrange watches and duties.	7/24/00	
4	3769	C	You hear the general alarm and ship's whistle sound for over 10 seconds. Traditionally, this is the signal for _____.	abandon ship	dismissal from fire and emergency stations	fire and emergency	man overboard	7/24/00	
4	3770	C	The abandon ship signal is _____.	a continuous ringing of general alarm bells for at least 10 seconds	a continuous ringing of the general alarm, and sounding of the ship's whistle	more than 6 short blasts and 1 long blast of the ship's whistle and the same signal on the general	a continuous sounding of the ship's whistle	7/24/00	
4	3772	C	The abandon ship signal sounded by the vessel's whistle is _____.	6 short blasts and 1 long blast	more than 6 short blasts	more than 6 short blasts and 1 long blast	1 long blast of at least 10 seconds	7/24/00	
4	3774	B	The signal given to commence lowering the lifeboats is _____.	3 short blasts of the ship's whistle	1 short blast of the ship's whistle	3 long blasts of the ship's whistle	1 long blast of the ship's whistle	7/24/00	

4	3776	B	If you continue to wear extra clothing when entering the water after abandoning your vessel, it will _____.	weigh you down	preserve body heat	reduce your body heat	make it more difficult to breathe	7/24/00	
4	3778	D	When a ship is abandoned and there are several life rafts in the water, one of the FIRST things to be done is _____.	separate the rafts as much as possible to increase chances of detection	transfer all supplies to one raft	transfer all the injured to one raft	secure the rafts together to keep them from drifting apart	7/28/00	
4	3780	B	One of the first actions to be taken by survivors when they have boarded an inflatable liferaft is to _____.	stream the sea anchor	take an anti-seasickness pill	open the pressure relief valve	drink at least one can of water	7/24/00	
4	3782	D	You have abandoned ship in tropical waters. Which procedure should be used during a prolonged period in a liferaft?	Wet clothes during the day to decrease perspiration.	Get plenty of rest.	Keep the entrance curtains open.	All of the above	7/24/00	
4	3784	C	While adrift in an inflatable liferaft in hot, tropical weather _____.	the canopy should be deflated so that it will not block cooling breezes	the pressure valve may be periodically opened to prevent excessive air pressure	deflating the floor panels may help to cool personnel	the entrance curtains should never be opened	7/24/00	

4	3786	B	When using the rainwater collection tubes of a liferaft, the FIRST collection should be _____.	passed around so all can drink	poured overboard because of salt washed off the canopy	saved to be used at a later time	used to boil food	7/24/00	
4	3788	B	When you hear three short blasts on the ship's whistle and the same signal on the general alarm bells, you _____.	are required to be at your liferaft	are dismissed from drills	should point to the man overboard	should start the fire pump	7/25/00	
4	3789	B	The signal for a fire emergency on an OSV is _____.	a 30 second on 30 second off alternating signal	the continuous blast of the ships whistle for not less than 10 seconds supplemented by the continuous	an intermittent ringing of the general alarm for not less than ten seconds	announced over the PA system	7/26/00	
4	3790	B	While reading the muster list you see that 3 short blasts on the whistle and three short rings on the general alarm bell bells" is the signal for_____."	abandon ship	dismissal from fire and emergency stations	fire and emergency	man overboard	7/25/00	
4	3794	D	During an abandonment or drill, the first person to arrive at the survival craft should _____.	pass out food and water to personnel	open the doors and start the sprinkler system	activate the emergency release handle	open the doors and prepare the craft for boarding	7/25/00	

4	3796	B	Which of the following steps should normally be taken first by those who have boarded a liferaft in an emergency situation?	Ration food and water supplies	Search for survivors	Determine position and closest point of land	Check pyrotechnic supplies	7/31/00	
4	3798	A	After having thrown the liferaft and stowage container into the water, the liferaft is inflated by _____.	pulling on the painter line	forcing open the container which operates the CO2	hitting the hydrostatic release	using the hand pump provided	7/26/00	
4	3799	A	With no alternative but to jump from an OSV, the correct posture should include _____.	holding down the lifejacket against the chest with one arm, crossing the other, covering the	knees bent and held close to the body with both arms around legs	body straight and arms held tightly at the sides for a feet first entry into the water	both hands holding the lifejacket below the chin with knees bent and legs crossed	7/26/00	
4	3800	D	If you have to jump in the water when abandoning ship, your legs should be _____.	spread apart as far as possible	held as tightly against your chest as possible	in a kneeling position	extended straight down and crossed at the ankles	7/26/00	
4	3804	A	All OSV personnel should be familiar with survival craft _____.	boarding and operating procedures	maintenance schedule	navigational systems	fuel consumption rates	7/25/00	

4	3806	A	A lifraft which has inflated bottom-up on the water _____.	should be righted by standing on the carbon dioxide cylinder, holding the righting straps and	should be righted by standing on the lifeline, holding the righting straps leaning backwards	will right itself when the canopy tube inflates	must be cleared of the buoyant equipment before it will right itself	7/26/00	
4	3809	B	Provided every effort is used to produce, as well as preserve body moisture content by avoiding perspiration, how long is it normally possible to survive without stored quantities of water?	Up to 3 days	8 to 14 days	15 to 20 days	25 to 30 days	7/26/00	
4	3810	D	If help has not arrived in 10-12 hours after having abandoned an OSV in a survival craft, you should _____.	go in one direction until the fuel runs out	plot course for the nearest land	take a vote on the direction in which to go	shutdown the engines and put out the sea anchor	7/26/00	
4	3812	A	If you have to abandon ship, and enter a lifraft, your main course of action should be to _____.	remain in the vicinity of the sinking vessel	head for the closest land	head for the closest sea-lanes	get a majority opinion	7/25/00	
4	3814	A	If you are forced to abandon ship in a rescue boat, you should _____.	remain in the immediate vicinity	head for the nearest land	head for the closest sea-lanes	vote on what to do, so all hands will have a part in the decision	7/25/00	

4	3816	C	When abandoning an OSV, following the launching of the survival craft you should _____.	plot a course for the nearest land	take a vote on the direction in which to go	stay in the immediate area	go in one direction until fuel runs out	7/26/00	
4	3818	A	To keep injured survivors warm in the water after abandoning an OSV and no rescue craft are insight, they should _____.	be placed in the middle of a small circle formed by the other survivors in the water	float on their backs with their arms extended for maximum exposure to the air	remove their lifjackets and hold on to uninjured survivors	sip seawater at intervals of fifteen minutes	7/25/00	
4	3819	B	If there are a number of survivors in the water after abandoning an OSV and no rescue craft are in sight, they should _____.	tie themselves to the unit to avoid drifting with the current	group to form a small circle of survivors to create a warmer pocket of water in the center of the circle	send the strongest swimmer to shore for assistance	from a raft by lashing their lifjackets together	7/26/00	
4	3820	C	Once the daily ration of drinking water in a survival situation has been established, the drinking routine should include _____.	small sips at regular intervals during the day	a complete daily ration at one time during the day	one-half the daily ration twice during the day	small sips only after sunset	7/26/00	
4	3822	B	In the first 24 hours after abandoning a vessel, water should be given only to personnel who are _____.	thirsty	sick or injured	wet	awake	7/25/00	

4	3824	A	After abandoning a vessel, water consumed within the first 24 hours _____.	will pass through the body with very little being absorbed by the system	will help prevent fatigue	will quench thirst for only two hours	help prevent seasickness	7/26/00	
4	3829	C	Inflatable life rafts shall be serviced at an approved servicing facility every 12 months or not later than the next vessel inspection for certification. However, the total elapsed time between servicing cannot exceed _____.	12 months	15 months	17 months	18 months	7/25/00	
4	3830	B	Inflatable lifrafts must be overhauled and inspected at a U. S. Coast Guard approved service facility every _____.	six months	twelve months	eighteen months	twenty-four months	7/25/00	
4	3834	B	Who should inspect and test an inflatable life raft?	The Chief Mate	An approved servicing facility	Shipyard personnel	A certificated lifeboatman	7/26/00	
4	3836	C	A life raft with a capacity of 8 people used in ocean service is required by regulations to carry _____.	8 litres of fresh water	12 units of provisions	12 litres of fresh water	24 units of provisions	7/26/00	

4	3839	D	The painter on a rigid life raft must have a length sufficient to reach the lightest waterline plus an additional _____.	5 meters (16 feet)	10 meters (31 feet)	15 meters (50 feet)	20 meters (66 feet)	7/26/00	
4	3840	B	The painter of the inflatable life raft must have a minimum length of _____.	36 feet	50 feet	100 feet	300 feet	7/26/00	
4	3842	B	You must ensure that lifesaving equipment is _____.	locked up	readily accessible for use	inaccessible to passengers	on the topmost deck of the vessel at all times	7/26/00	
4	3844	C	Inflatable life rafts shall be serviced at an approved servicing facility every 12 months or not later than the next vessel inspection for certification. However, the total elapsed time between servicing cannot exceed _____.	12 months	15 months	17 months	18 months	7/26/00	
4	3846	B	Inflatable life rafts must be overhauled and inspected at a U.S. Coast Guard approved service facility every _____.	six months	twelve months	eighteen months	twenty-four months	7/26/00	

4	3848	D	Each personal flotation device light on an OSV that has a non-replacement power source must be replaced _____.	every six months after initial installation	every 12 months after initial installation	every 24 months after initial installation	on or before the expiration date of the power source	7/26/00	
4	3849	B	The capacity of any liferaft on board a vessel can be determined by _____.	examining the Certificate of Inspection	examining the plate on the outside of the raft container	referring to the station bill	referring to the shipping articles	7/26/00	
4	3850	D	Each personal flotation device light on an OSV that has a non-replaceable power source must be replaced _____.	every six months after initial installation	every 12 months after initial installation	every 24 months after initial installation	on or before the expiration date of the power source	7/26/00	
4	3852	D	The light on a personal flotation device on an OSV must be replaced _____.	when the power source is replaced	each year after installation	every six months	when it is no longer serviceable	7/26/00	
4	3853	D	Coast Guard Regulations (46 CFR) require inflatable liferafts to be equipped with _____.	a first aid kit	an instruction manual	a sea anchor	All of the above	7/31/00	

4	3854	B	According to the regulations, the capacity of a liferaft is required to be marked _____.	on the station bill	at the liferaft stowage location	on the Certificate of Inspection	in the Operations Manual	7/28/00	
4	3855	B	Which document will describe lifesaving equipment located aboard your vessel?	Station Bill	Certificate of Inspection	Forecastle card	Clearance papers	7/26/00	
4	3856	D	The immersion suit requirements for OSV apply to units operating in the Atlantic Ocean _____.	above 20 degrees North and below 20 degrees South	above 25 degrees North and below 25 degrees South	above 30 degrees North and below 30 degrees South	above 32 degrees North and below 32 degrees South	7/26/00	
4	3857	C	Where would you find a list of the lifesaving equipment onboard your supply boat?	Ship's Articles	Station Bill	Certificate of Inspection	U.S. Coast Guard Regulations	7/26/00	
4	3858	B	Lifesaving equipment shall be stowed so that it will be _____.	locked up	readily accessible for use	inaccessible to passengers	on the topmost deck of the vessel at all times	7/26/00	

4	3859	D	When can a work vest be substituted for a lifejacket in the total count of the required lifesaving gear?	When it is approved by the Coast Guard	When working near or over the water	When stowed away from the ring buoys	A work vest may never be counted as a lifejacket.	7/26/00	
4	3860	C	Lifejackets should be stowed in _____.	the forepeaks	the pumproom	readily accessible spaces	locked watertight containers	7/26/00	
4	3861	D	Coast Guard Regulations (46 CFR) require that lifejackets shall be _____.	provided for each person onboard	provided for all personnel of watch	readily accessible to persons in the engine room	All of the above	7/26/00	
4	3862	C	In accordance with Coast Guard Regulations, Coast Guard approved buoyant work vests _____.	should be stowed in engineering spaces in lieu of approved life jackets because they are less	may be used as a substitute for approved life preservers during routine drills, but never during an	should not be stowed where they could be confused with life jackets in an emergency	All of the above	7/26/00	
4	3863	B	On an OSV, how many ring buoys are required to have a buoyant line attached?	One ring life buoy	One ring life buoy on each side of the OSV	Three ring life buoys	Two ring life buoys on each side of the OSV	7/26/00	

4	3864	C	Of the required ring life buoys for an OSV, how many must be equipped with a waterlight?	1	2	4	8	7/26/00	
4	3865	B	What is the minimum required number of ring life buoys on an OSV certified for ocean service?	4	8	12	16	7/28/00	
4	3866	B	Each distress signal and self-activated smoke signal must be replaced not later than the marked date of expiration, or not more than how many months from the date of manufacture?	12	24	36	42	7/26/00	
4	3867	D	Each OSV must carry _____.	one category I 406 Mhz satellite EPIRB	at least one lifebuoy on each side of the vessel fitted with a bouyant lifeline	at least 12 rocket parachute flares	All of the above	7/26/00	
4	3868	B	The rescue boat on an OSV shall carry a tow line strong enough to tow the vessel's largest loaded liferaft at a speed of at least _____.	1 knot	2 knot	5 knot	10 knot	7/26/00	

4	3870	C	Each EPIRB required on an OSV shall be tested using the integrated test circuit and outputs indicator every _____.	week	two week	month	two months	7/26/00	
4	3872	C	For an OSV not on an international voyage, an approved substitute for an impulse projected type line throwing appliance is a _____.	spring-loaded line thrower	hand thrown buoyant line	shoulder type line throwing gun	heaving line	7/26/00	
4	3874	C	Line throwing apparatus aboard ship must contain _____.	two rockets, one of which shall be the buoyant type	three rockets, one of which shall be the buoyant type	four rockets, two of which shall be the buoyant type	five rockets, two of which shall be the buoyant type	7/27/00	
4	3875	B	The breaking strength of the service lines of the rockets used with an impulse-projected, rocket type line throwing appliances is _____.	300 lbs	500 lbs	1000 lbs	1500 lbs	7/27/00	
4	3876	B	What is NOT a requirement for testing the line throwing appliance on a vessel?	The appliance should be tested every three months.	A regular service line should be used when testing.	A regular projectile should be used when testing.	An entry about the test must be made in the Official Log Book.	7/27/00	

4	3878	C	Your vessel is required to have an impulse-projected line throwing appliance. The auxiliary line must _____.	be of a light color	be 250 meters in length	have a breaking strength of 9000 lbs force	be made of synthetic material	7/27/00	
4	3879	A	The signal given to commence lowering the lifeboats is _____.	1 short blast on the ship's whistle	3 short blasts on the ship's whistle	3 long blasts on the ship's whistle	1 long blast on the ship's whistle	7/27/00	
4	3880	D	The Emergency Position Indicating Radiobeacon on an OSV vessel must be stowed _____.	in an inside passageway	in an approved bracket	so that it is accessible from the pilothouse of the vessel	so that it will float free if the vessel sinks	7/28/00	
4	3882	A	Class A EPIRBs are required on _____.	self-propelled, inspected vessels	towing vessels	recreational vessels	uninspected passenger vessels	7/27/00	
4	3883	C	Which vessel greater than 100 GT is NOT required to have an EPIRB.	A sailing vessel	A fishing vessel	A non self-propelled vessel	A towing vessel	7/27/00	

4	3884	D	Which type EPIRB must each ocean-going OSV carry?	Class A	Class B	Class C	Catergory I	7/27/00	
4	3886	D	Which type EPIRB must each ocean-going OSV carry?	Class A	Class B	Class C	Catergory I	7/27/00	
4	3887	C	The Master shall insure that the Emergency Position Indicating Radiobeacon (EPIRB) is _____.	secured inside the wheelhouse	tested annually	tested monthly	secured in the emergency locker	7/27/00	
4	3888	A	CATEGORY I EPIRB's transmit on frequencies that are monitored by _____.	orbiting satellites in space	commercial radio stations	private, commercial, and military aircraft	Both A & C	7/27/00	
4	3889	C	Class C EPIRBs may be carried on board _____.	deep-draft vessels on the high seas	fishing vessels	small passenger vessels on the Great Lakes	deep-draft vessels in coastwise service	7/27/00	

4	3890	C	What is the maximum length of time that distress flares are approved for?	1 and 1/2 years	2 years	3 and 1/2 years	5 years	7/27/00	
4	3891	A	Which statement is TRUE concerning distress signals in a survival craft?	Hand held flares and orange smoke signals are required.	If hand-held rocket-propelled parachute flares are provided, they are the only distress signals required.	Two hand-held smoke signals shall be provided.	A Very pistol with twelve flares is required.	7/27/00	
4	3892	C	By regulation, orange smoke distress signals will expire not more than how many months from the date of manufacture?	24 months	36 months	42 months	54 months	7/27/00	
4	3894	C	A life raft with a capacity of 8 people used in ocean service is required by regulations to carry _____.	8 litres of fresh water	12 units of provisions	12 litres of fresh water	24 units of provisions	7/27/00	
4	3896	B	Life preservers must be marked with the _____.	stowage space assigned	vessel's name	vessel's home port	maximum weight allowed	7/27/00	

4	3897	C	What is the maximum length of time that distress flares are approved for?	1 and 1/2 years	2 years	3 and 1/2 years	5 years	7/27/00	
4	3898	C	A life raft with a capacity of 8 people used in ocean service is required by regulations to carry _____.	8 litres of fresh water	12 units of provisions	12 litres of fresh water	24 units of provisions	7/27/00	
4	3899	B	Life preservers must be marked with the _____.	stowage space assigned	vessel's name	vessel's home port	maximum weight allowed	7/27/00	
4	3900	C	The life jackets on all vessels shall be _____.	inspected weekly	worn at all times	readily available	tested yearly	7/27/00	
4	3904	D	The light on a life jacket must be replaced ____.	when the power source is replaced	each year after installation	every six months	when it is no longer serviceable	7/27/00	

4	3906	B	When a lifeline is required to be attached to a ring life buoy it must be at least _____.	30 feet long	60 feet long	90 feet long	120 feet long	7/27/00	
4	3908	B	The breaking strength of the service lines of the rockets used with an impulse-projected, rocket type line throwing appliances is _____.	300 lbs	500 lbs	1000 lbs	1500 lbs	7/27/00	
4	3909	B	Which statement is TRUE concerning the testing of the line-throwing appliance?	It shall be fired at least once in every three months.	A drill in its use shall be held once in every 3 months.	Drills shall be held quarterly and it shall be fired annually.	No drills are required.	7/27/00	
4	3910	C	Your vessel is required to have an impulse-projected line throwing appliance. The auxiliary line must _____.	be of a light color	be 250 meters in length	have a breaking strength of 9000 lbs force	be made of synthetic material	7/27/00	
4	3912	B	If you must enter water on which there is an oil fire, you should _____.	protect your life preserver by holding it above your head	enter the water on the windward side of the vessel	keep both hands in front of your face to break the water surface when diving head first	wear very light clothing	7/27/00	

4	3914	A	If you must jump from a vessel, the correct posture includes _____.	holding down the life preserver against the chest with one arm crossing the other, covering	knees bent and held close to the body with both arms around legs	body straight and arms held tightly at the sides for feet first entry into the water	both hands holding the life preserver below the chin with knees bent and legs crossed	7/27/00	
4	3916	B	If an inflatable liferaft inflates upside down, you can right it by _____.	pushing up on one side	standing on the CO2 bottle, holding the bottom straps, and throwing your weight backwards	getting at least three or four men to push down on the side containing the CO2 cylinder	doing nothing; it will right itself after the canopy supports inflate	7/27/00	
4	3918	A	If your life raft is to leeward of a fire on the water, you should FIRST _____.	cut the line to the sea anchor	paddle away from the fire	splash water over the liferaft to cool it	get out of the raft and swim to safety	7/27/00	
4	3919	C	Your ship is sinking rapidly. A container containing an inflatable liferaft has bobbed to the surface upon functioning of the hydrostatic release. Which action should you take?	Cut the painter line so it will not pull the liferaft container down.	Swim away from the container so you will not be in danger as it goes down.	Take no action because the painter will cause the liferaft to inflate and open the container.	Manually open the container and inflate the liferaft with the hand pump.	7/27/00	
4	3920	D	Inflatable liferafts are less maneuverable than lifeboats due to their _____.	shape	shallow draft	large sail area	All of the above	7/27/00	

4	3922	D	You have abandoned ship and are in an inflatable raft that has just inflated. You hear a continuous hissing coming from a fitting in a buoyancy tube. What is the cause of this?	The saltwater is activating the batteries of the marker lights on the canopy.	The inflation pump is in automatic operation to keep the tubes fully inflated.	A deflation plug is partially open allowing the escape of CO2.	Excess inflation pressure is bleeding off and should soon stop.	7/27/00	
4	3924	A	If you are forced to abandon ship in a life raft, your course of action should be to _____.	remain in the immediate vicinity	head for the nearest land	head for the closest sea-lanes	let the persons in the boat vote on what to do	7/27/00	
4	3926	A	To keep injured survivors warm in the water after abandoning ship, they should _____.	be placed in the middle of a small circle formed by the other survivors in the water	float on their backs with their arms extended for maximum exposure to the air	remove their life preservers and hold on to the uninjured survivors	sip water at intervals of fifteen minutes	7/28/00	
4	3928	A	Immediately after abandoning a vessel, lookouts should be posted aboard life rafts to look for _____.	survivors in the water	food and water	land	bad weather	7/28/00	
4	3929	D	What is one of the FIRST things you would do on boarding an inflatable liferaft?	Open equipment pack.	Post a lookout.	Issue anti-seasickness medicine.	Pick up other survivors.	7/28/00	

4	3930	D	You have abandoned your vessel. You are in a liferaft and have cleared away from your vessel. One of your FIRST actions should be to _____.	take measures to maintain morale	prepare and use radio equipment	identify the person in charge of liferaft	search for survivors	7/28/00	
4	3932	D	You have hand launched an inflatable liferaft. What should be one of your FIRST actions upon boarding the liferaft?	Open the equipment pack.	Inflate the liferaft floor.	Decide on food and water rations.	Cut the sea painter and clear the vessel.	7/28/00	
4	3936	C	After abandoning ship which action should be taken IMMEDIATELY upon entering a liferaft?	Open equipment pack.	Issue anti-seasickness medicine.	Cut painter and clear the ship.	Dry the liferaft floor and inflate.	7/28/00	
4	3938	A	You have abandoned ship in rough weather. After picking up other survivors in your liferaft, what should you do next?	Close up the entrances.	Top up the bouyancy tubes.	Prepare for the arrival of rescue units.	Decide on food and water rations.	7/28/00	
4	3939	A	You board an inflatable liferaft that has been hand launched from a sinking vessel. What should you do FIRST after everyone is onboard the liferaft?	Cut the painter.	Operate the radio equipment.	Open the equipment pack.	Ventilate the liferaft of CO2.	7/28/00	

4	3940	C	If you must swim through an oil fire, you should NOT _____.	wear as much clothing as possible	enter the water feet first	swim with the wind	cover eyes with one hand when entering the water	7/28/00	
4	3942	D	You have abandoned ship in tropical waters. Which procedure(s) should be used during a prolonged period in a raft?	Wet clothes during the day to decrease perspiration.	Get plenty of rest.	Keep the entrance curtains open.	All of the above	7/28/00	
4	3948	C	While adrift in an inflatable life raft in hot, tropical weather _____.	the canopy should be deflated so that it will not block cooling breezes	the pressure valve may be periodically opened to prevent excessive air pressure	deflating the floor panels may help to cool personnel	the entrance curtains should never be opened	7/28/00	
4	3949	B	When should you first have any food or water after boarding a lifeboat or life raft?	After 12 hours	After 24 hours	Within 48 hours	Some food and water should be consumed immediately and then not until 48 hours later	7/28/00	
4	3950	A	You are picking up a person that has fallen overboard. A rescue boat should approach the victim with the _____.	victim to leeward	victim to windward	wind on your port side	wind on your starboard side	7/28/00	

4	3951	A	All personnel on board a vessel should be familiar with the rescue boat's _____.	boarding and operating procedure	maintenance schedules	navigational systems	fuel consumption rates	7/28/00	
4	3952	D	If an inflatable liferaft is overturned, it may be righted by _____.	filling the stabilizers on one side with water	releasing the CO2 cylinder	pushing up from under one end	standing on the inflating cylinder and pulling on the straps on the underside of the raft	7/28/00	
4	3953	D	To turn over a liferaft that is floating upside down, you should pull on the _____.	canopy	manropes	sea painter	righting lines	7/31/00	
4	3954	D	The float free link attached to a sea painter on an inflatable liferaft has a breaking strength of _____.	100-136 lbs for buoyant apparatus with a capacity of 10 persons or less	200-268 lbs for buoyant apparatus with a capacity of 11 to 20 persons	400-536 lbs for buoyant apparatus with a capacity of 21 persons or more	All of the above	7/28/00	
4	3955	C	The person-in-charge shall insure that each rescue boat on an OSV is lowered to the water, launched and operated at least once every _____.	week	two months	three months	six months	7/28/00	

4	3956	C	Your ship is sinking rapidly. A container containing an inflatable liferaft has bobbed to the surface upon functioning of the hydrostatic release. Which action should you take?	Cut the painter line so it will not pull the liferaft container down.	Swim away from the container so you will not be in danger as it goes down.	Take no action because the painter will cause the liferaft to inflate and open the container.	Manually open the container and inflate the liferaft with the hand pump.	7/28/00	
4	3960	B	A rigid lifesaving device designed to support survivors in the water is a _____.	rigid life raft	life float	inflatable life raft	survival capsule	7/31/00	
4	3962	B	When should food or water be provided to survivors after boarding a liferaft?	After 12 hours	After 24 hours	After 48 hours	Some food and water should be consumed immediatly and then not until 48 hours later	7/31/00	
4	3964	B	Paints and solvents on a vessel should be _____.	stored safely in a cool dark non-ventilated area until work is completed	resealed and returned to a well ventilated area after each use	covered at all times to protect from ignition sources	stored in a suitable gear locker	8/7/00	
4	3966	D	In the illustration shown, the righting strap is shown as item number _____.	8	9	12	16	3/20/01	See illustration number D014SA

4	3968	C	Each Class A EPIRB shall be stowed in a manner which will permit _____.	easy access to its storage compartment	replacement of the battery without exposure to the weather	it to float free if the vessel sinks	it to remain attached to the vessel	6/20/00	
4	3969	D	The sea anchor shown as item number 14 will NOT _____.	check the liferaft's way	keep the liferaft end on to the sea	reduce the possibility of capsizing or broaching	right the raft if it inflates inverted	3/20/01	See illustration number D014SA
4	3972	C	The external recognition light can be seen up to two miles and is shown as item number _____.	2	3	7	16	3/20/01	See illustration number D014SA
4	3974	D	In the illustration, the sea anchor is shown as item number_____.	7	13	15	14	3/20/01	See illustration number D014SA
4	3976	C	In the illustration, which item number correctly identifies the ballast bags?	item #2	item #12	item #13	item #22	3/20/01	See illustration number D014SA

4	3979	A	In the illustration shown, where would you find the knife?	Item #2	item #4	item #22	item #23	3/20/01	See illustration number D014SA
4	3982	C	In the illustration shown, the external lifelines are shown as item number _____.	1	12	17	19	3/20/01	See illustration number D014SA
4	3984	B	As shown in the illustration, item #8 would be a(n)_____.	recognition light	rain water catchment tube assembly	pressure relief valve	floating sheath knife	3/20/01	See illustration number D014SA
4	3986	D	A fire is discovered in the bow of your vessel while making way. The wind is from ahead at 35 knots. You should _____.	remain on course and hold speed	remain on course but slack the speed	change course to put the wind on either beam and increase speed	change course and put the stern to the wind	8/17/00	
4	3988	A	In the illustration shown, the weak link is item number _____.	7	17	19	23	3/20/01	See illustration number D015SA

4	3989	C	Inflatable life rafts on vessels on an international voyage must be able to carry at least _____.	2 persons	4 persons	6 persons	8 persons	9/27/00	
4	3990	C	What is a FALSE statement concerning the line throwing appliance on a vessel?	A drill on its use must be held once every three months.	The actual firing is at the discretion of the Master.	The auxiliary line must be of a light color.	The auxiliary line must be at least 1500 feet long.	10/3/00	
4	3992	C	How many B-II fire extinguishers must be in the machinery space of a 175-foot long fishing vessel propelled by engines with 3300 brake horsepower?	2	3	4	5	10/10/00	
4	3999	D	Which item is NOT included in the fireman's outfit on a cargo vessel?	Fire ax	Flashlight	rigid helmet	Flame safety lamp	10/20/00	
4	4000	D	On a rigid life raft (SOLAS B pack) which is equipped with all of the required equipment you may NOT find a _____.	bailer	sponge	whistle	fishing kit	10/30/00	

4	4002	B	A combustible gas indicator will NOT operate correctly when the _____.	hydrocarbon content of the atmosphere is less than the U.E.L	atmosphere is deficient in oxygen	distance between the operator and the compartment to be tested is greater than 50	All of the above	11/9/00	
4	4004	B	To serve as a person in charge of transfer operations on board a self-propelled tank vessel, an individual must _____.	hold a valid officer's license for inspected vessels	hold a tankerman-PIC endorsement	be 30 years old	have a letter from the company stating his qualification	1/9/01	
4	4008	C	You are preparing to load fuel oil on a vessel of 300 gross tons constructed after June 30, 1974. Before loading, you must check that the fuel oil tank vents _____.	are not obstructed by on-deck cargo	have a fire extinguisher within the immediate area	have containment capacity for at least one half barrel	are opened and the flame screen replaced	1/9/01	
4	4009	C	You are preparing to load fuel oil on a vessel of 1,600 gross tons constructed after June 30, 1974. Before loading, you must check that the fuel oil tank vents _____.	are not obstructed by on-deck cargo	have a fire extinguisher within the immediate area	have containment capacity for at least one barrel	are opened and the flame screen replaced	1/9/01	
4	4010	C	A ship that, at any time, operates seaward of the outermost boundary of the terretorial sea is required to prepare, submit, and maintain a(n) _____.	synthetic plastic discharge plan	oil discharge plan	shipboard oil pollution emergency plan	vapor recovery procedures plan	1/10/01	

4	4011	D	If you fail to notify the Coast Guard of an oil spill, you may be imprisoned up to _____.	1 year	2 years	3 years	5 years	1/10/01	
4	4066	B	The most important concern in treating a person with extensive burns is _____.	reducing disfigurement	preventing infection	cooling with ice water	reducing swelling	2/21/01	
4	4068	D	On board an OSV, the key to the most rapid and effective response to a man overboard situation is _____.	switching to hydraulic steering	a dedicated crew	good equipment	good communication	2/22/01	
4	4069	C	In the illustration, the sea anchor is number _____.	1	12	14	18	3/20/01	See illustration number D014SA
4	4070	A	Motor-propelled lifeboats are required to be fitted with which of the following?	Compartments for the storage of canned drinking water	Ballast tanks to prevent the boat from capsizing	An air starter on the diesel engine	Auxiliary mechanical propulsion (Fleming gear)	3/12/01	

4	4076	D	In the illustration shown, the equipment bags are indicated by item number _____.	12	15	17	19	3/20/01	See illustration number D014SA
4	4112	D	A fire is discovered in the forepeak of a vessel at sea. The wind is from ahead at 35 knots. You should _____.	remain on course and hold speed	remain on course but slack the speed	change course to put the wind on either beam and increase speed	change course and put the stern to the wind	8/17/00	
4	4334	D	What is the function of an air receiver in the compressed air system?	Condenses moisture	Provides overpressure protection	Purifies the air	Acts as an accumulator	2/8/01	
4	4718	B	The Sailing Plan, required by vessels participating in AMVER, must be sent _____.	prior to departure	within a few hours before or after departure	within 12 hours of departure	within 24 hours of departure	5/26/00	
4	4847	C	The rated operating time of a self-contained breathing device may be reduced in actual use because of _____.	pressure differences in the atmosphere	the length of the hose attached to the facepiece	the physical exertion of the person wearing the device	spaces containing poisonous vapors	5/30/00	

4	5156	B	Your non-oceangoing vessel is required to have a fixed piping system to discharge oily mixtures ashore. What is required at each outlet of this system?	A 5-gallon can or a fixed containment system	A stop valve	A non-return valve	A means to stop each pump	7/6/00	
4	5408	B	One of the first actions to be taken by survivors when they have boarded an inflatable life raft is to _____.	stream the sea anchor	take an anti-seasickness pill	open the pressure relief valve	drink at least one can of water	6/13/00	
4	6742	A	With an approved combination nozzle, low-velocity fog is produced by _____.	inserting an applicator in the nozzle	putting the handle of the nozzle in the forward position	directing a straight stream of water against the ship's structure	the combination nozzle only when the water pressure exceeds 125 psi	8/7/00	
4	6757	C	On Offshore Drilling units, in addition to the life jackets stowed at each berth location, life jackets must be stowed at each watch station and _____.	the mess room	each lifeboat	each industrial work site	each fire station	5/1/00	
4	7311	D	What is the calling and distress frequency on a single side band (SSB) marine radiotelephone?	1492 kHz	1892 kHz	2082 kHz	2182 kHz	7/6/00	

4	7355	D	When do you use your FCC call sign when transmitting on channel 16?	Only at the beginning of a transmission	Only in an emergency	Only if asked by the U.S. Coast Guard	Always at the beginning and ending of a transmission	7/6/00	
4	7388	B	All marine low-speed diesels are of what design?	Four-stroke	Two-stroke	Electronic ignition	Forced exhaust	6/19/00	
4	7421	B	After receiving your distress call, the U.S.C.G. will ask you to switch to which SSB frequency?	2570	2670	2770	2870	7/6/00	
4	7431	D	What time of day would an SSB radio have the longest transmitting range?	Daylight before noon	At noon	Daylight after noon	During darkness	7/6/00	
4	7593	A	The horizontal distance between the vertical lines of action of gravity and the buoyant forces is called the _____.	righting arm	metacentric height	metacentric radius	height of the center of buoyancy	8/8/00	

4	7623	B	The weight of the liquid displaced by a vessel floating in sea water is equal to the _____.	weight required to sink the vessel	total weight of the vessel	displaced volume	reserve buoyancy	8/18/00	
4	7682	B	One major disadvantage of a low-speed diesel as compared to a steam main-propulsion system is _____.	the extra weight required for the diesel reduction gearing	a minimum speed for the engines that limits the minimum speed of the vessel	the higher fuel consumption per SHP	the low efficiency of the system when a controllable pitch propeller is used	6/19/00	
4	7725	B	Reserve buoyancy is the _____.	unoccupied space below the waterline	volume of intact space above the waterline	excess of the buoyant force over the gravity force	difference in the buoyant force in salt and fresh waters	8/7/00	
4	7727	A	When flooding occurs in a damaged vessel, reserve buoyancy _____.	decreases	remains the same	increases	shifts to the low side	8/7/00	
4	8184	A	What is an advantage of diesel over steam turbine propulsion?	Less fuel consumption per SHP	Diesel fuel costs less than bunker C or its equivalent	Less routine maintenance required	Less weight per SHP	6/19/00	

4	8712	C	Jettisoning weight from topside _____.	returns the vessel to an even keel	reduces free surface effect	lowers the center of gravity	raises the center of buoyancy	8/7/00	
4	9303	B	When displacement increases, the free surface corrections for slack tanks _____.	increase	decrease	are directly proportional	remain unchanged	8/8/00	
4	9321	C	In battery charging rooms, exhaust ventilation should be provided _____.	at the lowest point	near the batteries	at the highest point	only when charging is in progress	10/20/00	
4	9331	B	Paints and solvents on a vessel should be _____.	stored safely at the work site until work is completed	returned to the paint locker after each use	covered at all times to protect from ignition sources	stored in a suitable gear locker	8/7/00	
4	9362	C	You are releasing carbon dioxide gas (CO <sub>2</sub> ) into an engine compartment to extinguish a fire. The CO <sub>2</sub> will be most effective if the _____.	compartment is closed and ventilators are opened	compartment is left open to the air	compartment is closed and airtight	air flow to the compartment is increased with blowers	7/6/00	

4	9397	A	CATEGORY I EPIRB's transmit on frequencies that are monitored by _____.	orbiting satellites in space	commercial radio stations	private, commercial, and military aircraft	Both A & C	7/6/00	
4	9425	C	Which formula can be used to calculate metacentric height?	KM + GM	KM - GM	KM - KG	KB + BM	8/18/00	
5	69	C	What type of daymark will you see as you approach Joe Pierce Light (mile 334.4 AHP)?	Red Triangle	Red square	Red diamond	Private aid - no daymark	7/27/00	
5	104	D	At 0600 your loran reads:  9960-W-14546.3 9960-X-25909.5 9960-Y-43945.0  What is your 0600 position?	LAT 41°17.1' N, LONG 71°38.3' W	LAT 41°17.3' N, LONG 71°38.7' W	LAT 41°17.4' N, LONG 72°38.1' W	LAT 41°17.6' N, LONG 71°38.9' W	4/4/00	
5	109	C	The horizontal clearance of the center span on the Baton Rouge RR and Highway Bridge (mile 233.9 AHP) is _____.	443	500	623	748	9/19/00	

5	243	A	From your 1210 position, you are making good a course of 083ø T. Your engines are turning RPMs for 10 knots. The set and drift of the current are 310ø at 1.7 knots. At what time should you expect to enter the red sector of New London Harbor Light?	1249	1254	1259	1305	10/31/00	
5	257	D	At 0705, you change course to head for The Race. You wish to leave Race Rock Light bearing due north at 0.4 mile. If the current is 110ø T, at 2.8 knots, and you are turning for 12.0 knots, what course (pgc) should you steer?	252ø pgc	257ø pgc	265ø pgc	271ø pgc	2/26/01	
5	489	C	At 0728, Race Rock Light is bearing 282ø T at 3.8 miles, and the closest point on Fishers Island is at a radar range of 2.1 miles. What speed have you been making since you changed course at 0705?	11.4 knots	10.6 knots	9.9 knots	9.2 knots	4/17/00	
5	563	B	At 0705, the gyro loses power. At 0715, you are on course 092ø per standard magnetic compass (psc) when you take the following bearings: Falkner Light bears 356ø psc, Horton Point Light bears 123ø psc, and Kelsey Point Breakwater Light bears 048ø psc.	LAT 41ø06.7' N, LONG 72ø36.0' W	LAT 41ø07.0' N, LONG 72ø36.2' W	LAT 41ø07.2' N, LONG 72ø36.4' W	LAT 41ø07.4' N, LONG 72ø36.4' W	5/15/00	
5	591	A	In time of low water, where would you find out which buoys, if any, are in place at Concordia Bar crossing (mile 596.0 AHP)?	Notice to Mariners	Bulletin board at the Rosedale gage	Waterways Journal	None of the above	2/1/01	

5	617	A	Your vessel will sail from a position in LAT 8ø51.0' N, LONG 81ø31.0' W to a position at LAT 33ø51.5' S, LONG 151ø13.0' E. The distance by great circle is 7,635 miles, and you estimate an average speed of 15.0 knots. What is your estimated	1110, 14 August	0110, 14 August	1110, 13 August	1510, 13 August	11/7/00	
5	630	C	You are on a voyage from Corpus Christi, TX, to Fort de France, Martinique. The distance from pilot to pilot is 2190 miles (2521 statute miles). The speed of advance is 15.0 knots. You estimate a layover in Charlotte Amalie, Virgin Islands	2054, 3 December	2254, 3 December	0254, 4 December	2054, 4 December	1/22/01	
5	708	B	What is the distance from the Kaiser Aluminum & Chemical Corp. to Columbus, KY (mile 937.0 AHP)?	688.0 miles	703.0 miles	937.0 miles	981.5 miles	10/18/00	
5	709	C	You are upbound approaching Springfield Lt. (mile 245.6 AHP) downriver from Profit Island. Which of the following statements is TRUE?	Profit Island Chute is open to navigation and is a shortcut for single barge tows.	Tows must navigate toward left ascending bank when passing Profit Island Chute.	An underwater stone dike has been constructed across Profit Island Chute.	Tow length must not exceed 600 feet to use Profit Island Chute.	10/18/00	
5	710	B	At 1615, on 11 January, you are passing the Vicksburg gage (mile 437.0 AHP). What has been the average current since 1030, 10 January, if you have been making turns for 7.5 mph?	0.2 mph	0.7 mph	1.0 mph	1.2 mph	10/18/00	

5	711	A	The Morganza revetment on the LMR extends from mile _____.	280.0-276.6 RDB	280.0-276.6 LDB	276.6-273.5 RDB	276.6-273.5 LDB	10/18/00	
5	712	C	What is the mile point of the Fair Landing gage?	554.2 AHP	592.2 AHP	632.5 AHP	663.0 AHP	10/18/00	
5	713	D	The highest point on your towboat is 46 feet above the water, and the Helena gage (mile 663 AHP) reads 2.0 feet. What is the vertical clearance when you pass under the B-span of the Helena Highway Bridge in Helena?	59.9 feet	63.8 feet	65.5 feet	71.4 feet	10/18/00	
5	714	C	You are passing the Fulton gage at 0415, 13 January. If you are turning for 8.5 mph and estimate the current at 2.6 mph, what is your ETA at Cairo Point, Ill(954.5 AHP)?	1908, 13 January	0100, 14 January	1008, 14 January	1908, 14 January	10/18/00	
5	715	B	At what time would you listen to VHF Channel 22A (157.1 MHz) for information concerning the stage of the river on the Missouri River?	1300	1400	1500	2100	10/18/00	

5	716	A	As you approach Cherokee Light (867.3 AHP), which type of daymark would you see on the light structure?	Red diamond	Red triangle	Green diamond	Green square	10/18/00	
5	717	D	What is the distance from Cairo Point, IL to Crown City, OH?	104.1 miles	110.0 miles	218.0 miles	290.5 miles	10/18/00	
5	718	C	What is the length of the trip?	720.8 miles	777.4 miles	897.2 miles	906.3 miles	10/23/00	
5	719	A	What are the dimensions of the Old River Lock on the Lower Old River (304 AHP)?	1190 X 75 feet	1185 X 84 feet	1190 X 84 feet	1185 X 75 feet	10/23/00	
5	720	D	At 2142, on January 3, you pass Sebastapol Light (mile 283.3 AHP). At 0137, January 4, you pass Fort Adams Light(311.4 AHP). You have been turning for 9.0 mph. What was the current?	4.2 mph	3.3 mph	2.7 mph	1.8 mph	10/23/00	

5	721	B	At 0850, 4 January, you pass the gage at Natchez, MS which reads 26.8 feet. How many feet is this above the low water reference plane?	10.6 ft	20.7 ft	23.9 ft	26.8 ft	10/23/00	
5	723	C	Which type of daymark will you see as you approach Old Levee Light (mile 385.2 AHP)?	Green Diamond	Red square	Green square	Private aid - no daymark	10/23/00	
5	724	D	What is the vertical clearance of the Vicksburg Highway 80 Bridge when the river level is the same as the Low Water Reference Plane?	128.3 ft	125.6 ft	119.5 ft	116.1 ft	10/23/00	
5	725	D	The Vicksburg gage reads 31.9 feet. The high point on your towboat is 43 feet above the water. What is the vertical clearance as you pass under the Vicksburg Highway 80 Bridge?	36.2 feet	41.3 feet	58.0 feet	84.3 feet	10/23/00	
5	754	A	Where would you find out which buoys, if any, are in place at Concordia Bar crossing (mile 596.0 AHP)?	Channel Report	Bulletin board at the Rosedale gage	Waterways Journal	None of the above	10/23/00	

5	757	A	Which type utility crossing is at mile 529.7 AHP?	1-36 Sub Gas Pipeline"	4-16 Sub Gas Pipelines"	2-36 Sub Gas Pipeline"	2-20 Sub Gas Pipelines"	10/23/00	
5	758	B	You are turning for 6.8 mph and estimate the current at 1.0 mph. What is your speed over the ground?	6.8 mph	7.8 mph	8.8 mph	9.4 mph	10/23/00	
5	759	D	How far is it to the Hernando Desoto Bridge in Memphis, TN?	980.8 miles	736.6 miles	312.3 miles	218.1 miles	10/23/00	
5	760	C	Which daymark should you see as you approach French Point Light(mile 915.4 AHP)?	Red diamond	Green square	Red triangle	Green diamond	10/23/00	
5	761	C	At 1923, on September 21, you pass Bixby Towhead Light(mile 873.7 AHP). What was your average speed since leaving Cairo?	9.2 mph	8.8mph	8.5 mph	7.2 mph	10/23/00	

5	762	B	At 1923, you increase speed to make good 9.2 mph. What is the first gage you will pass after your speed change?	Cottonwood Point	Tiptonville	Fulton	New Madrid	10/23/00	
5	763	A	Which light will you be passing at 0059, on 22 September, if you make good 9.2 knots,	Obion Bar Lt	Kate Aubrey Lt	Trotter Lt	Quaker Oats Lt	10/23/00	
5	764	D	The Helena gage reads 9.4 feet. The high point on your towboat is 42 feet above water. What is the vertical clearance when you pass under the Helena Highway Bridge?	53.0 feet	62.6 feet	64.2 feet	68.0 feet	10/23/00	
5	765	B	What company does NOT have a marine facility along the river bank in Helena(mile 661 to 665 AHP)?	Helena Marine Services, Inc.	Riceland Food Corp.	Quincy Grain Co.	Texas Eastern Pipeline Co.	10/23/00	
5	766	C	If the Bayou Sara gage reads -0.5 feet, what is the water level in relation to the low water reference plane?	3.55 foot below the plane	5.75 foot above the plane	5.75 feet above the plane	5.25 feet below the plane	10/23/00	

5	767	A	The Arkansas City Yellow Bend revetment on the LMR extends from mile_____.	555.5-549.7 RDB	549.0-548.5 RDB	556.9-554.9 LDB	548.5-546.5 LDB	10/23/00	
5	768	D	What is the length of the trip?	1195.4 miles	1223.1 miles	1464.8 miles	1520.1 miles	10/24/00	
5	769	A	After you get underway, what is the first river gage you will pass?	Donaldsonville	Head of Passes	Baton Rouge	Red River Landing	10/24/00	
5	770	D	You are passing the Bayou Sara gage which reads 3.9 feet. Which of the following statements is TRUE?	The river level is above the Low Water Reference Plane.	Red Store Landing Revetment is ahead on your starboard side	This gage reading is at a lower elevation than the same reading on the gage at Head of Passes.	None of the above.	10/24/00	
5	771	C	At 0921, on 24 May, you are abreast the St. Catherine Bar Lt.(mile 348.6 AHP). If you are turning for 10.0 mph, what was the current since departure?	3.4 mph	2.0 mph	1.7 mph	1.4 mph	10/24/00	

5	772	A	Which daymark will you see as you approach Natchez Beam Lt. (mile 364.8 AHP)?	Red triangle	White square	Green square	Red diamond	10/24/00	
5	773	B	At 1132, 24 May, you pass Natchez Beam Lt.(364.8 AHP). What is your ETA off the Memphis Gage if you average 8.0 mph?	2345, 25 May	0947, 26 May	1525, 26 May	2215, 26 May	10/24/00	
5	774	B	Which town is located at mile 663.5 AHP?	Friers Point	Helena	St. Francis	Rodney	10/24/00	
5	775	C	What is the brown colored tint shown at Bordeaux Point Dykes (681.0 AHP)?	river gage	fish hatchery	dredge material	levee	10/24/00	
5	776	D	The Memphis gage reads 18.4 feet. The high point of your towboat is 48 feet above water. What is the vertical clearance as you pass under the Memphis Highway Bridge?	75.4 feet	66.4 feet	53.8 feet	46.4 feet	10/24/00	

5	777	D	The Linwood Bend revetment on the LMR extends from mile_____.	828.1-823.1 RDB	831.7-829.4 RDB	845.4-842.5 LDB	841.3-838.0 LDB	10/24/00	
5	778	C	You have orders to drop off the empties at the fleeting area at Cairo Point and add five loaded tank barges to your tow. If you are turning for 9 mph and estimate the current at 1.5 mph, what is your ETA at Cairo?	2210, 22 June	1741, 22 June	1423, 22 June	1031, 22 June	10/24/00	
5	779	C	You complete changing out your tow and get underway enroute Ark City Tank Storage (mile 554.0 AHP) to deliver the tank barges. What is the distance you must travel from Cairo Point Light?	202.1 miles	400.7 miles	554.2 miles	605.8 miles	10/24/00	
5	780	B	As you approach Dean Island Light (mile 755.7 AHP), which type of daymark will be observed at the light?	Green triangle	Green diamond	Green square	Red-and-green banded square	10/24/00	
5	781	A	The highest point on your towboat is 48 feet above the water, and the Memphis Gage reads +7.5 feet. What is the vertical clearance when you pass under the Hernando Desoto Bridge in Memphis?	53.2 feet	58.1 feet	68.2 feet	96.3 feet	10/24/00	

5	782	D	What is the milepoint of the Fulton Gage?	598 AHP	632 AHP	687 AHP	778 AHP	10/24/00	
5	783	D	At 2350, on 23 June, you are at mile 610.5 AHP when you see about a mile ahead two separate white lights on the water near the left bank. There is a red light on the bank in the same vicinity. What can you expect to see when you come abreast of these li	Privately maintained buoys at a yacht club.	Government buoys marking the Hurricane Point dikes.	A pipeline discharging dredge spoil.	None of the above	10/24/00	
5	784	D	Which of the following statements concerning the buoys on the Mississippi River is TRUE?	The position of river buoys can be determined by consulting the latest Light List - Vol. V.	A preferred channel mark is a lateral mark indicating a channel junction which must always be	Bouys should be passed as close as possible.	Setting a buoy is the act of placing a buoy on assigned position in the water.	10/24/00	
5	785	D	At 1032 on 24 June, you pass Carolina Landing Light(508.8 AHP). What has been the average current since 2350, 23 June, if you have been making turns for 9.0 mph?	8.5 mph	5.7 mph	1.5 mph	0.5 mph	10/24/00	
5	786	C	Where can scheduled broadcast times of river stages be found?	Sailing Directions	List of Lights	Light List	Coast Pilot	10/24/00	

5	787	C	Which company does NOT have a marine facility in Rosedale harbor(mile 585 AHP)?	Sanders Elevator Corp	Rosedale-Boliver County Port Commission	Cives Steel Company	T.L. James	10/24/00	
5	788	B	What is the distance from the River Cement Co. Dock to the mouth of the Ohio River?	718.8 miles	780.8 miles	953.5 miles	981.5 miles	10/24/00	
5	789	A	As you pass under the Baton Rouge R.R. and Hwy 190 Bridge(233.9 AHP), the Ingram Aggregates facility is indicated by which numbered box?	8	6	5	2	10/24/00	
5	790	A	You are turning for 9 mph, approaching Fort Adams Lt (311.4 AHP) and it is reported that the current at Knox Landing is estimated at 4.5 MPH. Which of the following statements is TRUE?	Tows and other vessels should navigate as close to the left descending bank as safety will permit.	The inflow channel is a navigable channel for any vessel.	You are making 13.5 mph over the ground.	Old River Control Structure Light and Fort Adams Light may be used as range lights when	10/24/00	
5	791	C	At 0715, on March 9, you pass Knox Landing Gage(313.8 AHP) and estimate the current will average 3.5 mph for the remainder of the time on the Mississippi River. What is your ETA at the mouth of the Ohio River if you increase speed to turn for 10 mph?	0640, 11 March	0554, 12 March	0943, 13 March	1242, 13 March	10/24/00	

5	792	B	What is the vertical clearance between the highest point of your towboat, if it is 45 feet above the water, and if the Natchez Gage reads 23.4 feet when passing under the Natchez-Vidalia Westbound Highway Bridge?	67.5 feet	57.1 feet	52.2 feet	45.2 feet	10/24/00	
5	793	D	In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?	List of Buoys and Daymarks	Coast Pilot	C of E Navigation Chart	U.S.C.G. Notice to Mariners Channel Report	10/24/00	
5	794	D	As you approach Gibson Light(mile 371.2 AHP), which type of daymark would you see on the light structure?	Red square	Green triangle	Red diamond	Green diamond	10/24/00	
5	795	A	At 1019, on 10 March, you pass under the Greenville Bridge (mile 531.3 AHP). What was your average speed since departing River Cement Co. Dock?	7.2 mph	6.8 mph	6.5 mph	6.2 mph	10/24/00	
5	796	C	As you approach the Cahokia Marine Terminal Lights, you notice on the map a dashed line crossing the river at mile 178.3 UMR. This line indicates -----.	aerial crossings	2 sub tel cables	16 submarine power cables	2-10 gas pipelines"	10/24/00	

5	797	D	On which river is New Providence, TN located?	Allegheny	Upper Mississippi	Ohio	Cumberland	10/24/00	
5	798	B	What is the total length of the trip?	906.3 miles	922.3 miles	1155.8 miles	1187.3 miles	10/24/00	
5	799	B	You estimate the current at 2.0 mph. What is the speed over the ground?	9.5 mph	5.5 mph	5.5 mph	4.5 mph	10/24/00	
5	800	C	What are the dimensions of the Port Allen Lock at Baton Rouge, LA?	75 feet x 1188 feet	84 feet x 1180feet	84 feet x 1188 feet	75 feet x 1180 feet	10/24/00	
5	850	D	At 0119, on 10 September, you pass Springfield Bend Lt. (244.8 AHP) and estimate the current will average 2.5 mph for the remainder of your trip. What is your ETA at the mouth of the Ohio River if you are making turns for 8.5 mph?	1746, 12 September	1244, 13 September	2329, 14 September	0210, 15 September	10/24/00	

5	851	A	As you pass under the Natchez-Vidalia Dual Bridge, the gage on the bridge reads 8.9 ft. If the highest point on your vessel is 54 ft. above the water, what is your vertical clearance?	62.6 feet	65.3 feet	67.2 feet	122.0 feet	10/24/00	
5	852	C	Which type of daymark would you see on the Belle Island Corner Lt at mile 458.6 AHP?	Green - Diamond	Green - Square	Red - Diamond	Red - Triangle	10/24/00	
5	853	A	At 1814, on 11 September, you pass under the Greenville Highway Bridge(mile 531.3 AHP). What speed must you average to arrive at Jimmy Hawken Light(mile 663.5 AHP) at 0930 the following day?	8.7 mph	7.7 mph	6.3 mph	5.6 mph	10/24/00	
5	854	D	What company does NOT have a marine facility along the river bank in Madison Parish(mile 457.0 AHP)?	Complex Chemical Co.	Delta Southern Railroads	Scott Petroleum	Baxter Wilson Steamplant	10/24/00	
5	855	B	The Vacluse Trenchfill revetment on the LMR extends from mile _____.	524.3 - 522.6 RDB	534.3 - 532.6 RDB	535.9 - 534.3 LDB	534.3 - 532.6 LDB	10/24/00	

5	856	D	What is the distance from Greenville, MS, to Oquaka, IL on the Mississippi River System?	537 miles	597 miles	733 miles	832 miles	10/24/00	
5	858	C	You are turning for 10 mph and passing Hog Point, LA. (mile 297.5 AHP). Angola reports that the current at Red River Landing is 4.5 mph. Which statement is TRUE?	The main channel lies on the south side of the island you see ahead.	You are making 14.5 mph over the ground.	An underwater stone dike has been constructed 0.5 miles upstream of Miles Bar Towhead.	You would expect to find the more favorable current near the broken red line in the river.	10/24/00	
5	859	D	Which facility is located on the right descending bank at mile 363.6 AHP?	River Cement Corp.	Bunge Corp.	T.L. James	Vidalia Dock and Storage Co.	10/24/00	
5	860	D	At 1118, on 24 May, you pass Natchez Gage and estimate the current will average 3.0 mph for the remainder of the time on the Mississippi River. What is your ETA at Cairo, IL if you continue to turn for 10 mph?	0840, 26 May	2218, 26 May	2339, 27 May	0339, 28 May	10/24/00	
5	861	B	If the highest point of your towboat is 54 feet above the water and the Natchez Gage reads 24.8 feet, what will be your vertical clearance when passing under the Natchez-Vidalia westbound Highway Bridge?	35.9 feet	46.7 feet	49.6 feet	57.5 feet	10/24/00	

5	862	D	In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?	List of Buoys and Daymarks	U.S.C.G. Light List	C of E Navigation Chart	None of the above	10/24/00	
5	863	D	As you approach Ashland Lower Light(mile 375.5 AHP), which type of daymark would you see on the light structure?	Green square	Green triangle	Red square	Red diamond	10/24/00	
5	864	B	At 1554, on 25 May, you pass Huntington Point Light(mile 555.2 AHP). What was your average speed since departing Amoco Pipeline Co. Docks(253.6 AHP)?	6.9 mph	6.2 mph	4.8 mph	4.3 mph	10/24/00	
5	865	A	The solid lines extending into the channel at mile 948 AHP are _____.	dikes	revetments	spoil areas	Westvaco Service Facilities	10/24/00	
5	866	B	What is the width of the widest span of the Cairo Highway Bridge (Upper Mississippi River mile 1.3)?	800 feet	675 feet	625 feet	503 feet	10/24/00	

5	867	A	If your vessel is making turns for 7.5 mph with an estimated average current of 1.5 mph, what is your ETA at the dock in Angelina, LA?	1621, 28 Dec	2203, 28 Dec	0516, 29 Dec	1621, 29 Dec	10/24/00	
5	868	D	The highest point on your towboat is 67 feet above the water, and the Helena Gage reads +22.3 feet. What is the vertical clearance when you pass under the A-span of the Helena Highway Bridge?	74.7 feet	52.4 feet	49.8 feet	30.1 feet	10/24/00	
5	869	C	Which of the following statements are TRUE?	Oil well structures are listed in the Light List.	All aids to navigation with lights have lateral significance.	On the Western Rivers, crossing marks may exhibit white lights.	None of the above.	10/24/00	
5	870	B	At 0509, on 26 December, you pass under the Helena Highway Bridge (661.7 AHP). What has been the average speed of the current since departing Memphis Harbor, McKellar Lake, if you have been making turns for 7.5 mph?	5.6 mph	4.4 mph	2.1 mph	1.8 mph	10/24/00	
5	871	A	What is the distance in river miles, from the new mouth of the White River to the Petroleum Fuel & Terminal Co.(144.6 AHP)?	454 miles	447 miles	384 miles	370 miles	10/24/00	

5	872	C	The Platte River empties into which river?	Mississippi	Ohio	Missouri	Tennessee	10/24/00	
5	873	D	You are downbound, passing by Warfield Point Lt.(mile 537 AHP), when you observe on your Mississippi River map a green diamond with an SD" inside on the left bank below the light. This indicates a _____."	fleeting area	location for obtaining latest safety directions	warning sign to downbound traffic that the channel soon crosses very close to the right bank	none of the above	10/24/00	
5	874	B	As you pass under the Vicksburg Bridges, you estimate the current as 3.0 mph. What is the speed over the ground, if your vessel is making turns for 10.5 mph?	16.5 mph	13.5 mph	10.5 mph	7.5 mph	10/24/00	
5	875	D	As you approach Buckridge Light(mile 411.5 AHP), which type of daymark would you see on the light structure?	Red diamond	Red triangle	Green diamond	Green square	10/24/00	
5	876	C	The lighted mooring buoy at mile 228.7 AHP is a facility for which company?	Luhr Brothers	Cargo Carriers	International Marine Terminals	National Marine Inc.	10/24/00	

5	877	D	The horizontal clearance of the center span on the Baton Rouge RR and Highway 190 Bridge is _____.	443	500	575	623	10/24/00	
5	878	C	You have passed Ben Burman Lt.(mile 235.0 AHP) and see on the map a dark purplish area extending past Bayou Baton Rouge. This indicates a _____.	revetment	dredge material	fleeting area	dike	10/24/00	
5	879	B	As you pass Solitude Lt.(mile 249.0 AHP) which dayboard would you see?	Green square	Green diamond	Red triangle	Red diamond	10/24/00	
5	880	B	Which of the following statements regarding buoys on the Mississippi River is TRUE?	Buoy positions on the chart are exact.	Bouys should be given as wide a berth as possible in passing.	The buoys are maintained on station year round.	The buoys do not shift positions due to permanent moorings.	10/24/00	
5	881	A	What is indicated by the two light grey shaded areas that cross the river above False River Lt.(mile 251.0 AHP).	Utility crossings	Ferry crossings	Aerial cable crossings	Bridge construction	10/24/00	

5	882	B	What are the light characteristics of Greenwood Light(mile 288.6 AHP).	Fixed red light	2 red flashes every 5 seconds	1 red flash every 4 seconds	2 white flashes every 4 seconds	10/24/00	
5	883	C	After passing Wilkinson Lt. you see a flashing amber light on the right descending bank ahead. The flashing light indicates that you should _____.	stay in the deepest water	slow down due to dredging operations	keep as close to the left descending bank as safety permits	keep as close to the right descending bank as safety permits	10/24/00	
5	884	D	At which of the following times would you be able to listen to lower Mississippi River conditions on VHF Channel 22A.	0900 hours	1100 hours	1200 hours	1500 hours	10/24/00	
5	885	D	At 0645, on the 17th of April, you pass Hole in the Wall Lt(mile 373.4 AHP). What has been your average speed since departing the Exxon Refinery?	8.8 mph	7.3 mph	6.8 mph	6.3 mph	10/24/00	
5	886	A	Your company wants to know at what time you will be arriving at the fleeting area at Sycamore Chute Light(mile 740.3 AHP) in Memphis, Tenn. You are making turns for 9.0 mph and you estimate the average current at 2.2 mph. Figuring the distance and time f	1242, April 19th	1645, April 19th	2242, April 19th	2333, April 19th	10/24/00	

5	887	B	What is the length of the trip?	405.8 miles	904.0 miles	1002.0 miles	1136.8 miles	10/24/00	
5	888	C	You estimate the current as 2.5 mph. What is the speed over the ground?	11.0 mph	8.0 mph	6.0 mph	5.5 mph	10/24/00	
5	889	C	As you approach Casting Yard Dock Lt(mile 265.4 AHP) you notice on the map a circle with 2 black sectors. This symbol indicates a _____.	lock	warning sign	river gage	mooring buoy	10/24/00	
5	890	A	From Baton Rouge to Cairo, what is the maintained minimum channel depth during low water?	9 feet	12 feet	15 feet	30 feet	10/24/00	
5	891	B	On which map would you find Redman Point, Arkansas?	60	57	45	38	10/24/00	

5	892	D	At 1000, on May 11th, you are passing Prince George Lt.(mile 364.1 AHP) in Natchez, Mississippi and must send an ETA to the Monsanto Terminal in St. Louis(mile 178.0 UMR). Your engines are still turning for 8.5 mph and you estimate the current at 2.5 mph	1919 on 15 May	2344 on 15 May	1113 on 16 May	1757 on 16 May	10/24/00	
5	893	B	As you approach Ashland Light(mile 378.1 AHP) which daymark would you see?	Red diamond	Red triangle	Green square	Green diamond	10/24/00	
5	894	D	What is your clearance as you pass under the Vicksburg Highway 80 Bridge(mile 437.8 AHP). if the Vicksburg gage reads 14.8 feet and the highest point on your tow boat is 44.5 feet?	36 feet	42 feet	48 feet	57 feet	10/24/00	
5	895	A	After entering Milliken Bend(mile 455 AHP) you wish to locate the river service in Madison Parish, Louisiana. The river service is indicated by the square containing which number?	5	4	3	2	10/24/00	
5	896	C	At Filter Point Light(mile 475 AHP) there are 3 close straight dashed lines on the map passing through the black dot below the number 475. What do these lines represent?	Submerged oil pipelines	Submerged gas pipelines	Submerged telephone cables	Aerial power cables	10/24/00	

5	897	D	When you pass under the Jefferson Barracks Highway Bridge (mile 168.6 UMR) what will be your vertical clearance if the highest point on your towboat is 55 feet and the St Louis Gage reads 21 feet?	25.8 feet	19.6 feet	14.7 feet	11.8 feet	10/24/00	
5	898	A	You are on map #13. What is the mile point of the facility known as Slay Warehousing, Inc.?	mile 174 UMR	mile 173 UMR	mile 172 UMR	mile 171 UMR	10/24/00	
5	899	B	What light characteristics does Foster Light have?	1 green flash every 4 seconds	2 white flashes every 5 seconds	1 red flash every 4 second	2 red flashes every 5 seconds	10/24/00	
5	900	C	At 2100, January 12, you are passing Cherokee Landing Lt.(mile 112.5 UMR). What has been your speed over the ground since leaving St.Louis, MO,(mile 181 UMR).	8.8 mph	9.2 mph	9.8 mph	10.4 mph	10/24/00	
5	901	B	You are turning for 7.5 mph and estimate the current at 3.0 mph. What is your ETA at the River Cement Co. in Natchez considering that you passed Cherokee Landing Lt. at 2100?	1243 on 15 January	1605 on 15 January	1244 on 16 January	1922 on 16 January	10/24/00	

5	902	C	You are passing Goose Island Lt.(mile 34.4 UMR). The brown shaded areas alongside the river represent _____.	levees	revetments	dredged material	dikes	10/24/00	
5	903	C	At 1030, 13 January, you are passing Columbus Point Lt.(mile 936.1 AHP). What has been your average speed since leaving St. Louis(mile 181 UMR) on the 12th of January at 1400 hours?	9.1 mph	9.4 mph	9.7 mph	10.4 mph	10/24/00	
5	904	A	What is the milepoint of Hickman, KY gage?	922.0 AHP	889.0 AHP	865.0 AHP	837.2 AHP	10/24/00	
5	905	D	Which daymark would you see at Shields Bar Lt.(mile 882.2 AHP)?	Red triangle	Green triangle	Green square	Red diamond	10/24/00	
5	906	A	You are passing Eastwood Lt.(mile 849.3 AHP) and the map indicates that Bunge Grain facility would be located at the square with number _____.	8	6	4	2	10/24/00	

5	907	D	You are turning for 8.2 mph and estimate the current at 1.5 mph. What is your speed over the ground?	6.7	8.2	7.8	9.7	10/24/00	
5	908	C	If the highest point on your towboat is 52 feet and the West Memphis gage reads 26 feet what is the vertical clearance when you pass under the Hernando Desoto Bridge (736.6 AHP)?	56.7 feet	42.6 feet	30.7 feet	25.8 feet	10/24/00	
5	909	B	Your vessel is making turns for 9.5 mph and you estimate the average current for the trip will be 2.5 mph. What will be your ETA Donaldsonville, LA.	1044 on 7 October	1222 on 7 October	0443 on 8 October	1033 on 8 October	10/24/00	
5	910	C	As you approach West Memphis Lt.(mile 727.4 AHP) you notice on the map a dashed line crossing the river. This line indicates a _____.	submerged oil pipeline	submerged gas pipeline	aerial transmission line	aerial tramway	10/24/00	
5	911	B	At 1609, on October 5, you are abeam of Star Landing Lt.(mile 707.2 AHP) . You calculate your speed since you departed Sycamore Chute fleeting area. If you are turning for 9.5 mph what was the current?	2.5 mph	2.0 mph	1.5 mph	1.0 mph	10/24/00	

5	912	A	What is the distance from the Arkansas River mouth to the Ohio River mouth in river miles?	372 miles	422 miles	546 miles	594 miles	10/24/00	
5	914	D	On which river is Dover, KY located?	Mississippi	Tennessee	Missouri	Ohio	10/24/00	
5	915	A	After passing Oak Bend Lt.(mile 425.6 AHP) you see a light grey shaded area extending into the river shown on the map. This indicates a _____.	revetment	weir	dike	fleeting area	10/24/00	
5	917	D	Your engines are turning for 8.2 mph. You estimate the current at 1.5 mph. What is your speed over the ground?	6.7 mph	8.2 mph	8.8 mph	9.7 mph	10/24/00	
5	918	C	What is the distance to Caruthersville Gage from Cape Girardeau?	899.4 miles	793.4 miles	160.4 miles	54.4 miles	10/24/00	

5	919	D	Which dayboard would you see on Putney Light(mile 943.6 AHP)	Green square	Green triangle	Red triangle	Red diamond	10/24/00	
5	920	A	What is the distance from the Memphis gage to the Gold Bond Building Products Wharf in New Orleans, LA.	633 miles	588 miles	503 miles	460 miles	10/24/00	
5	921	B	How long will it take you to go from the Memphis gage to your destination in New Orleans, LA, if you estimate the average current on this segment of the route to be 2.0 mph and you increase the engine turns to 8.5 mph.	1 day 20 hours 33 minutes	2 days 12 hours 15 minutes	2 days 15 hours 12 minutes	3 days 4 hours 11 minutes	10/24/00	
5	922	D	What is the minimum maintained depth of the channel from Cairo to Baton Rouge during low water?	18 feet	15 feet	12 feet	9 feet	10/24/00	
5	923	C	You see a buoy with red and green bands. This buoy marks _____.	the center of the channel	a channel crossing	the preferred channel	an isolated danger	10/24/00	

5	924	B	As you approach Old River Control Structure Light you see a flashing amber light. You should _____.	navigate as close to the right descending bank as safety permits	navigate as close to the left descending bank as safety permits	turn into the inflow channel as the bypass is now open	slow your engine speed to not more than 5 mph	10/24/00	
5	925	C	What are the dimensions of the Old River Lock?	110ft x 1190ft	100ft x 990ft	75ft x 1190ft	75ft x 1000ft	10/24/00	
5	926	A	At 1710 on 27 November, you are abeam of Kings Point Lt.(mile 439.8 AHP). At this time you receive a message that there will no be space for you at the Gold Bond Building Products wharf until after 1200 on the 29 November. What speed over the ground wil	7.9 mph	6.9 mph	6.1 mph	5.4 mph	10/24/00	
5	927	C	What is the length of the trip?	720.8 miles	777.4 miles	897.2 miles	906.3 miles	10/25/00	
5	928	B	What are the dimensions of the Old River Lock on the Lower Old River (304 AHP)?	1185 X 75 feet	1190 X 75 feet	1190 X 84 feet	1185 X 84 feet	10/25/00	

5	929	B	At 2142, on January 3, you pass Sebastapol Light (mile 283.3 AHP). At 0137, January 4, you pass Fort Adams Light(311.4 AHP). You have been turning for 9.0 mph. What was the current?	1.2 mph	1.8 mph	2.7 mph	6.2 mph	10/25/00	
5	930	C	At 0850, 4 January, you pass the gage at Natchez, MS which reads 26.8 feet. How many feet is this above the low water reference plane?	10.6 ft	11.6 ft	20.7 ft	26.8 ft	10/25/00	
5	931	A	At 1300, 5 January, the river will be temporarily closed to navigation for six hours at mile 531.3 AHP due to repairs to a bridge. What minimum speed over the ground must you make from Natchez Gage in order not to be delayed?	6.0 mph	6.4 mph	6.8 mph	7.3 mph	10/25/00	
5	932	A	Which type of daymark will you see as you approach Old Levee Light (mile 385.2 AHP)?	Green square	Red square	Green Diamond	Private aid - no daymark	10/25/00	
5	933	B	What is the vertical clearance of the Vicksburg Highway 80 Bridge when the river level is the same as the Low Water Reference Plane?	108.3 ft	116.1 ft	119.5 ft	125.6 ft	10/25/00	

5	934	D	The Vicksburg gage reads 31.9 feet. The high point on your towboat is 43 feet above the water. What is the vertical clearance as you pass under the Vicksburg Highway 80 Bridge?	84.3 feet	72.5 feet	58.0 feet	41.3 feet	10/25/00	
5	935	A	Where would you find out which buoys, if any, are in place at Concordia Bar crossing (mile 596.0 AHP)?	Channel Report	Bulletin board at the Rosedale gage	Waterways Journal	None of the above	10/25/00	
5	936	C	Which type utility crossing is at mile 529.7 AHP?	1-26 Sub Gas Pipeline"	4-16 Sub Gas Pipelines"	1-36 Sub Gas Pipeline"	2-20 Sub Gas Pipelines"	10/25/00	
5	937	C	You are turning for 6.8 mph and estimate the current at 1.0 mph. What is your speed over the ground?	8.8 mph	8.2 mph	7.8 mph	6.8 mph	10/25/00	
5	938	C	How far is it to the Hernando Desoto Bridge in Memphis, TN?	980.8 miles	736.6 miles	218.1 miles	202.4 miles	10/25/00	

5	939	A	Which daymark should you see as you approach French Point Light(mile 915.4 AHP)?	Red triangle	Green square	Red and green rectangle	Green diamond	10/25/00	
5	940	B	At 1923, on September 21, you pass Bixby Towhead Light(mile 873.7 AHP). What was your average speed since leaving Cairo?	7.8 mph	8.5 mph	8.8 mph	9.2 mph	10/25/00	
5	941	D	At 1923, you increase speed to make good 9.2 mph. What is the first gage you will pass after your speed change?	Cottonwood Point	New Madrid	Fulton	Tiptonville	10/25/00	
5	942	B	Which light will you be passing at 0059, on 22 September, if you make good 9.2 knots,	Kate Aubrey Lt	Obion Bar Lt	Trotter Lt	Quaker Oats Lt	10/25/00	
5	943	C	The Helena gage reads 9.4 feet. The high point on your towboat is 42 feet above water. What is the vertical clearance when you pass under the Helena Highway Bridge?	53.0 feet	64.2 feet	68.0 feet	110.0 feet	10/25/00	

5	944	A	What company does NOT have a marine facility along the river bank in Helena(mile 661 to 665 AHP)?	Riceland Food Corp.	Helena Marine Services, Inc.	Quincy Grain Co.	Texas Eastern Pipeline Co.	10/25/00	
5	945	D	If the Bayou Sara gage reads -0.5 feet, what is the water level in relation to the low water reference plane?	0.5 foot below the plane	0.5 foot above the plane	5.25 feet above the plane	5.75 feet below the plane	10/25/00	
5	946	A	The Arkansas City Yellow Bend revetment on the LMR extends from mile_____.	555.5-549.7 RDB	549.0-548.5 RDB	556.9-554.9 LDB	548.5-546.5 LDB	10/25/00	
5	947	C	What is the length of the trip?	1195.4 miles	1223.1 miles	1520.1 miles	1657.8 miles	10/25/00	
5	948	B	After you get underway, what is the first river gage you will pass?	Head of Passes	Donaldsonville	Baton Rouge	Red River Landing	10/25/00	

5	949	D	You are passing the Bayou Sara gage which reads 3.9 feet. Which of the following statements is TRUE?	The river level is above the Low Water Reference Plane.	Red Store Landing Revetment is ahead on your starboard side	This gage reading is at a lower elevation than the same reading on the gage at Head of Passes.	None of the above.	10/25/00	
5	950	B	At 0921, on 24 May, you are abreast the St. Catherine Bar Lt.(mile 348.6 AHP). If you are turning for 10.0 mph, what was the current since departure?	1.4 mph	1.7 mph	2.0 mph	7.0 mph	10/25/00	
5	951	D	Which daymark will you see as you approach Natchez Beam Lt. (mile 364.8 AHP)?	Red diamond	White square	Green square	Red triangle	10/25/00	
5	952	C	At 1132, 24 May, you pass Natchez Beam Lt.(364.8 AHP). What is your ETA off the Memphis Gage if you average 8.0 mph?	2345, 25 May	0525, 26 May	0947, 26 May	2215, 26 May	10/25/00	
5	953	A	Which town is located at mile 663.5 AHP?	Helena	Friers Point	St. Francis	Rodney	10/25/00	

5	954	D	What is the brown colored tint shown at Bordeaux Point Dykes (681.0 AHP)?	river gage	fish hatchery	levee	dredge material	10/25/00	
5	955	A	The Memphis gage reads 18.4 feet. The high point of your towboat is 48 feet above water. What is the vertical clearance as you pass under the Memphis Highway Bridge?	46.4 feet	53.8 feet	66.4 feet	75.4 feet	10/25/00	
5	956	C	The Linwood Bend revetment on the LMR extends from mile_____.	828.1-823.1 RDB	831.7-829.4 RDB	841.3-838.0 LDB	845.4-842.5 LDB	10/25/00	
5	957	B	You have orders to drop off the empties at the fleeting area at Cairo Point and add five loaded tank barges to your tow. If you are turning for 9 mph and estimate the current at 1.5 mph, what is your ETA at Cairo?	1031, 22 June	1423, 22 June	1741, 22 June	2210, 22 June	10/25/00	
5	958	C	You complete changing out your tow and get underway enroute Ark City Tank Storage (mile 554.0 AHP) to deliver the tank barges. What is the distance you must travel from Cairo Point Light?	606.8 miles	554.0 miles	400.7 miles	202.1 miles	10/25/00	

5	959	D	As you approach Dean Island Light (mile 755.7 AHP), which type of daymark will be observed at the light?	Green triangle	Red and green banded square	Green square daymark	Diamond-shaped green daymark	10/25/00	
5	960	B	The highest point on your towboat is 48 feet above the water, and the Memphis Gage reads +7.5 feet. What is the vertical clearance when you pass under the Hernando Desoto Bridge in Memphis?	48.0 feet	53.2 feet	68.2 feet	116.0 feet	10/25/00	
5	961	A	What is the milepoint of the Fulton Gage?	778 AHP	687 AHP	632 AHP	598 AHP	10/25/00	
5	962	D	At 2350, on 23 June, you are at mile 610.5 AHP when you see about a mile ahead two separate white lights on the water near the left bank. There is a red light on the bank in the same vicinity. What can you expect to see when you come abreast of these li	Privately maintained buoys at a yacht club.	Government buoys marking the Hurricane Point dikes.	A pipeline discharging dredge spoil.	None of the above	10/25/00	
5	963	C	Which of the following statements concerning the buoys on the Mississippi River is TRUE?	The position of river buoys can be determined by consulting the latest Light List - Vol. V.	A preferred channel mark is a lateral mark indicating a channel junction which must always be	Setting a buoy is the act of placing a buoy on assigned position in the water.	None of the above.	10/25/00	

5	964	A	At 1032 on 24 June, you pass Carolina Landing Light(508.8 AHP). What has been the average current since 2350, 23 June, if you have been making turns for 9.0 mph?	0.5 mph	1.5 mph	5.7 mph	8.5 mph	10/25/00	
5	965	B	Where can scheduled broadcast times of river stages be found?	Sailing Directions	Light List	List of Lights	Coast Pilot	10/25/00	
5	966	C	Which company does NOT have a marine facility in Rosedale harbor(mile 585 AHP)?	Sanders Elevator Corp	Rosedale-Boliver County Port Commission	T.L. James	Cives Steel Company	10/25/00	
5	967	A	What is the distance from the River Cement Co. Dock to the mouth of the Ohio River?	780.8 miles	871.9 miles	953.5 miles	981.5 miles	10/25/00	
5	968	B	As you pass under the Baton Rouge R.R. and Hwy 190 Bridge(233.9 AHP), the Ingram Aggregates facility is indicated by which numbered box?	3	8	11	15	10/25/00	

5	970	D	At 0715, on March 9, you pass Knox Landing Gage(313.8 AHP) and estimate the current will average 3.5 mph for the remainder of the time on the Mississippi River. What is your ETA at the mouth of the Ohio River if you increase speed to turn for 10 mph?	0640, 11 March	0554, 12 March	1830, 12 March	0943, 13 March	10/25/00	
5	971	C	What is the vertical clearance between the highest point of your towboat, if it is 45 feet above the water, and if the Natchez Gage reads 23.4 feet when passing under the Natchez-Vidalia Westbound Highway Bridge?	45.0 feet	52.2 feet	57.1 feet	67.5 feet	10/25/00	
5	972	B	In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?	List of Buoys and Daymarks	U.S.C.G. Notice to Mariners Channel Report	C of E Navigation Chart	None of the above	10/25/00	
5	973	A	As you approach Gibson Light(mile 371.2 AHP), which type of daymark would you see on the light structure?	Green diamond	Green triangle	Red diamond	Red square	10/25/00	
5	974	D	At 1019, on 10 March, you pass under the Greenville Bridge (mile 531.3 AHP). What was your average speed since departing River Cement Co. Dock?	6.2 mph	6.5 mph	6.8 mph	7.2 mph	10/25/00	

5	975	B	As you approach the Cahokia Marine Terminal Lights, you notice on the map a dashed line crossing the river at mile 178.3 UMR. This line indicates _____.	aerial crossings	16 submarine power cables	2 sub tel cables	2-10 gas pipelines"	10/25/00	
5	985	C	On which river is New Providence, TN located?	Allegheny	Upper Mississippi	Cumberland	Ohio	10/25/00	
5	995	A	What is the total length of the trip?	922.3 miles	985.3 miles	1155.8 miles	1187.3 miles	10/25/00	
5	1012	C	You estimate the current at 2.0 mph. What is the speed over the ground?	3.5 mph	4.5 mph	5.5 mph	9.5 mph	10/25/00	
5	1013	B	What are the dimensions of the Port Allen Lock at Baton Rouge, LA?	75 feet x 1188 feet	84 feet x 1188 feet	84 feet x 1180 feet	75 feet x 1180 feet	10/25/00	

5	1014	D	At 0119, on 10 September, you pass Springfield Bend Lt. (244.8 AHP) and estimate the current will average 2.5 mph for the remainder of your trip. What is your ETA at the mouth of the Ohio River if you are making turns for 8.5 mph?	1746, 12 September	1244, 13 September	1244, 14 September	2329, 14 September	10/25/00	
5	1015	B	As you pass under the Natchez-Vidalia Dual Bridge, the gage on the bridge reads 8.9 ft. If the highest point on your vessel is 54 ft. above the water, what is your vertical clearance?	60.0 feet	62.6 feet	67.2 feet	122.0 feet	10/25/00	
5	1016	D	Which type of daymark would you see on the Belle Island Corner Lt at mile 458.6 AHP?	Green - Diamond	Green - Square	Red - Triangle	Red - Diamond	10/25/00	
5	1017	B	At 1814, on 11 September, you pass under the Greenville Highway Bridge(mile 531.3 AHP). What speed must you average to arrive at Jimmy Hawken Light(mile 663.5 AHP) at 0930 the following day?	8.9 mph	8.7 mph	6.3 mph	5.6 mph	10/25/00	
5	1018	C	What company does NOT have a marine facility along the river bank in Madison Parish(mile 457.0 AHP)?	Complex Chemical Co.	Delta Southern Railroads	Baxter Wilson Steamplant	Scott Petroleum	10/25/00	

5	1019	A	The Vaucluse Trenchfill revetment on the LMR extends from mile _____.	534.3 - 532.6 RDB	535.9 - 534.3 RDB	535.9 - 534.3 LDB	534.3 - 532.6 LDB	10/25/00	
5	1020	A	What is the distance from Greenville, MS, to Oquaka, IL on the Mississippi River System?	832 miles	733 miles	597 miles	537 miles	10/25/00	
5	1022	D	What is the distance from the Amoco Docks at Baton Rouge, LA, to Pittsburgh, PA?	727.9 miles	981.5 miles	1575.3 miles	1681.7 miles	10/25/00	
5	1023	C	You are turning for 10 mph and passing Hog Point, LA.(mile 297.5 AHP). Angola reports that the current at Red River Landing is 4.5 mph. Which statement is TRUE?	The main channel lies on the south side of the island you see ahead.	You are making 14.5 mph over the ground.	An underwater stone dike has been constructed 0.5 miles upstream of Miles Bar Towhead.	You would expect to find the more favorable current near the broken red line in the river.	10/25/00	
5	1024	B	Which facility is located on the right descending bank at mile 363.6 AHP?	River Cement Corp.	Vidalia Dock and Storage Co.	T.L. James	Bunge Corp.	10/25/00	

5	1025	D	At 1118, on 24 May, you pass Natchez Gage and estimate the current will average 3.0 mph for the remainder of the time on the Mississippi River. What is your ETA at Cairo, IL if you continue to turn for 10 mph?	0840, 26 May	2218, 26 May	2218, 27 May	2339, 27 May	10/25/00	
5	1026	C	If the highest point of your towboat is 54 feet above the water and the Natchez Gage reads 24.8 feet, what will be your vertical clearance when passing under the Natchez-Vidalia westbound Highway Bridge?	35.9 feet	43.2 feet	46.7 feet	57.5 feet	10/25/00	
5	1027	D	In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?	List of Buoys and Daymarks	U.S.C.G. Light List	C of E Navigation Chart	None of the above	10/25/00	
5	1028	C	As you approach Ashland Lower Light(mile 375.5 AHP), which type of daymark would you see on the light structure?	Green square	Green triangle	Red diamond	Red square	10/25/00	
5	1029	A	At 1554, on 25 May, you pass Huntington Point Light(mile 555.2 AHP). What was your average speed since departing Amoco Pipeline Co. Docks(253.6 AHP)?	6.2 mph	5.2 mph	4.8 mph	4.3 mph	10/25/00	

5	1030	B	The solid lines extending into the channel at mile 948 AHP are _____.	revetments	dikes	spoil areas	Westvaco Service Facilities	10/25/00	
5	1031	C	What is the width of the widest span of the Cairo Highway Bridge (Upper Mississippi River mile 1.3)?	503 feet	625 feet	675 feet	800 feet	10/25/00	
5	1032	B	If your vessel is making turns for 7.5 mph with an estimated average current of 1.5 mph, what is your ETA at the dock in Angelina, LA?	0516, 28 Dec	1621, 28 Dec	0516, 29 Dec	1621, 29 Dec	10/25/00	
5	1033	A	The highest point on your towboat is 67 feet above the water, and the Helena Gage reads +22.3 feet. What is the vertical clearance when you pass under the A-span of the Helena Highway Bridge?	30.1 feet	49.8 feet	52.4 feet	74.7 feet	10/25/00	
5	1034	C	Which of the following statements are TRUE?	Oil well structures are listed in the Light List.	All aids to navigation with lights have lateral significance.	On the Western Rivers, crossing marks may exhibit white lights.	All of the above.	10/25/00	

5	1035	C	At 0509, on 26 December, you pass under the Helena Highway Bridge (661.7 AHP). What has been the average speed of the current since departing Memphis Harbor, McKellar Lake, if you have been making turns for 7.5 mph?	1.8 mph	2.1 mph	4.4 mph	5.6 mph	10/25/00	
5	1036	D	What is the distance in river miles, from the new mouth of the White River to the Petroleum Fuel & Terminal Co.(144.6 AHP)?	370 miles	384 miles	447 miles	454 miles	10/25/00	
5	1037	B	The Platte River empties into which river?	Mississippi	Missouri	Ohio	Tennessee	10/25/00	
5	1038	D	You are downbound, passing by Warfield Point Lt.(mile 537 AHP), when you observe on your Mississippi River map a green diamond with an SD" inside on the left bank below the light. This indicates a _____."	fleeting area	location for obtaining latest safety directions	warning sign to downbownd traffic that the channel soon crosses very close to the right bank	none of the above	10/25/00	
5	1039	C	As you pass under the Vicksburg Bridges, you estimate the current as 3.0 mph. What is the speed over the ground, if your vessel is making turns for 10.5 mph?	7.5 mph	10.5 mph	13.5 mph	16.5 mph	10/25/00	

5	1040	C	As you approach Buckridge Light(mile 411.5 AHP), which type of daymark would you see on the light structure?	Red diamond	Red triangle	Green square	Green diamond	10/25/00	
5	1041	D	The lighted mooring buoy at mile 228.7 AHP is a facility for which company?	Luhr Brothers	Cargo Carriers	National Marine, Inc.	International Marine Terminals	10/25/00	
5	1042	C	What is the length of the trip?	405.8 miles	553.0 miles	904.0 miles	1136.8 miles	10/25/00	
5	1043	B	You estimate the current as 2.5 mph. What is the speed over the ground?	5.5 mph	6.0 mph	8.0 mph	11.0 mph	10/25/00	
5	1044	D	As you approach Casting Yard Dock Lt(mile 265.4 AHP) you notice on the map a circle with 2 black sectors. This symbol indicates a _____.	lock	warning sign	mooring buoy	river gage	10/25/00	

5	1045	B	From Baton Rouge to Cairo, what is the maintained minimum channel depth during low water?	6 feet	9 feet	12 feet	30 feet	10/25/00	
5	1046	A	On which map would you find Redman Point, Arkansas?	57	60	66	74	10/25/00	
5	1047	C	At 1000, on May 11th, you are passing Prince George Lt.(mile 364.1 AHP) in Natchez, Mississippi and must send an ETA to the Monsanto Terminal in St. Louis(mile 178.0 UMR). Your engines are still turning for 8.5 mph and you estimate the current at 2.5 mph	1919 on 15 May	2344 on 15 May	1757 on 16 May	2236 on 16 May	10/25/00	
5	1048	A	As you approach Ashland Light(mile 378.1 AHP) which daymark would you see?	Red Triangle	Red diamond	Green square	Green diamond	10/25/00	
5	1049	C	What is your clearance as you pass under the Vicksburg Highway 80 Bridge(mile 437.8 AHP). if the Vicksburg gage reads 14.8 feet and the highest point on your tow boat is 44.5 feet?	36 feet	42 feet	57 feet	66 feet	10/25/00	

5	1050	D	After entering Milliken Bend(mile 455 AHP) you wish to locate the river service in Madison Parish, Louisiana. The river service is indicated by the square containing which number?	2	3	4	5	10/25/00	
5	1051	B	At Filter Point Light(mile 475 AHP) there are 3 close straight dashed lines on the map passing through the black dot below the number 475. What do these lines represent?	Submerged oil pipelines	Submerged telephone cables	Submerged gas pipelines	Aerial power cables	10/25/00	
5	1052	A	When you pass under the Jefferson Barracks Highway Bridge (mile 168.6 UMR) what will be your vertical clearance if the highest point on your towboat is 55 feet and the St Louis Gage reads 21 feet?	11.8 feet	14.6 feet	19.7 feet	25.8 feet	10/25/00	
5	1053	D	You are on map #13. What is the mile point of the facility known as Slay Warehousing, Inc.?	mile 171 UMR	mile 172 UMR	mile 173 UMR	mile 174 UMR	10/25/00	
5	1054	C	What light characteristics does Foster Light have?	1 green flash every 4 seconds	1 red flash every 4 seconds	2 white flashes every 5 seconds	2 red flashes every 5 seconds	10/25/00	

5	1055	B	At 2100, January 12, you are passing Cherokee Landing Lt.(mile 112.5 UMR). What has been your speed over the ground since leaving St.Louis, MO,(mile 181 UMR).	10.4 mph	9.8 mph	9.2 mph	8.8 mph	10/25/00	
5	1056	A	You are turning for 7.5 mph and estimate the current at 3.0 mph. What is your ETA at the River Cement Co. in Natchez considering that you passed Cherokee Landing Lt. at 2100?	1605 on 15 January	0355 on 16 January	1244 on 16 January	1922 on 16 January	10/25/00	
5	1057	D	You are passing Goose Island Lt.(mile 34.4 UMR). The brown shaded areas alongside the river represent _____.	levees	revetments	dikes	dredged material	10/25/00	
5	1058	B	At 1030, 13 January, you are passing Columbus Point Lt.(mile 936.1 AHP). What has been your average speed since leaving St. Louis(mile 181 UMR) on the 12th of January at 1400 hours?	10.4 mph	9.7 mph	9.4 mph	9.1 mph	10/25/00	
5	1059	C	What is the milepoint of Hickman, KY gage?	846.4 AHP	889.0 AHP	922.0 AHP	937.2 AHP	10/25/00	

5	1061	D	You are passing Eastwood Lt.(mile 849.3 AHP) and the map indicates that Bunge Grain facility would be located at the square with number _____.	2	4	6	8	10/25/00	
5	1062	A	You are turning for 8.2 mph and estimate the current at 1.5 mph. What is you speed over the ground?	9.7	8.2	7.8	6.7	10/25/00	
5	1063	B	If the highest point on your towboat is 52 feet and the West Memphis gage reads 26 feet what is the vertical clearance when you pass under the Hernando Desoto Bridge (736.6 AHP)?	25.8 feet	30.7 feet	42.6 feet	56.7 feet	10/25/00	
5	1064	A	Your vessel is making turns for 9.5 mph and you estimate the average current for the trip will be 2.5 mph. What will be your ETA Donaldsonville, LA.	1222 on 7 October	1823 on 7 October	0443 on 8 October	1033 on 8 October	10/25/00	
5	1065	D	As you approach West Memphis Lt.(mile 727.4 AHP) you notice on the map a dashed line crossing the river. This line indicates a _____.	submerged oil pipeline	submerged gas pipeline	aerial tramway	aerial transmission line	10/25/00	

5	1066	C	At 1609, on October 5, you are abeam of Star Landing Lt.(mile 707.2 AHP) . You calculate your speed since you departed Sycamore Chute fleeting area. If you are turning for 9.5 mph what was the current?	1.0 mph	1.5 mph	2.0 mph	2.5 mph	10/25/00	
5	1067	D	What is the distance from the Arkansas River mouth to the Ohio River mouth in river miles?	594 miles	546 miles	422 miles	372 miles	10/25/00	
5	1068	A	As you approach Joseph Henry Light(mile 445.2 AHP) which daymark would you see?	Red triangle	Red square	Green diamond	Green square	10/25/00	
5	1069	C	On which river is Dover, KY located?	Mississippi	Tennessee	Ohio	Missouri	10/25/00	
5	1070	D	After passing Oak Bend Lt.(mile 425.6 AHP) you see a light grey shaded area extending into the river shown on the map. This indicates a _____.	fleeting area	weir	dike	revetment	10/25/00	

5	1071	A	Which numbered box indicates the Exxon Terminal in Baton Rouge?	3	6	8	10	10/25/00	
5	1072	A	Your engines are turning for 8.2 mph. You estimate the current at 1.5 mph. What is your speed over the ground?	9.7 mph	8.8 mph	8.2 mph	6.7 mph	10/25/00	
5	1073	B	What is the distance to Caruthersville Gage from Cape Girardeau?	54.4 miles	160.4 miles	793.4 miles	899.4 miles	10/25/00	
5	1074	C	Which dayboard would you see on Putney Light(mile 943.6 AHP)	Green square	Green triangle	Red diamond	Red triangle	10/25/00	
5	1075	D	What is the distance from the Memphis gage to the Gold Bond Building Products Wharf in New Orleans, LA.	460 miles	503 miles	588 miles	633 miles	10/25/00	

5	1108	C	How long will it take you to go from the Memphis gage to your destination in New Orleans, LA, if you estimate the average current on this segment of the route to be 2.0 mph and you increase the engine turns to 8.5 mph.	1 day 20 hours 33 minutes	2 days 6 hours 24 minutes	2 days 12 hours 15 minutes	3 days 4 hours 11 minutes	10/25/00	
5	1112	A	What is the minimum maintained depth of the channel from Cairo to Baton Rouge during low water?	9 feet	12 feet	15 feet	18 feet	10/25/00	
5	1113	B	You see a buoy with red and green bands. This buoy marks _____.	the center of the channel	the preferred channel	a channel crossing	an isolated danger	10/25/00	
5	1114	A	As you approach Old River Control Structure Light you see a flashing amber light. You should _____.	navigate as close to the left descending bank as safety permits	navigate as close to the right descending bank as safety permits	turn into the inflow channel as the bypass is now open	slow your engine speed to not more than 5 mph	10/25/00	
5	1115	D	What are the dimensions of the Old River Lock?	110ft x 1190ft	100ft x 990ft	75ft x 1000ft	75ft x 1190ft	10/25/00	

5	1116	D	At 1710 on 27 November, you are abeam of Kings Point Lt. (mile 439.8 AHP). At this time you receive a message that there will no be space for you at the Gold Bond Building Products wharf until after 1200 on the 29 November. What speed over the ground wi	5.4 mph	6.1 mph	6.9 mph	7.9 mph	10/25/00	
5	1121	B	At 1300, 5 January, the river will be temporarily closed to navigation for six hours at mile 531.3 AHP due to repairs to a bridge. What minimum speed over the ground must you make from Natchez Gage in order not to be delayed?	5.7 mph	6.0 mph	6.8 mph	7.3 mph	10/25/00	
5	1319	D	You are turning for 8.2 mph and estimate the current at 1.5 mph. What is you speed over the ground?	6.7	8.2	7.8	9.7	1/30/01	
5	1340	C	The horizontal clearance of the center span on the Baton Rouge RR and Highway Bridge (mile 233.9 AHP) is _____.	443	500	623	748	1/10/01	
5	1341	D	At 0230 on 13 August, you are at mile 610.5 AHP when you see about a mile ahead two separate white lights on the water near the left bank. There is a red light on the bank in the same vicinity. What can you expect to see when you come abreast of the	Privately maintained buoys at a yacht club	Government buoys marking the Hurricane Point dikes	A pipeline discharging dredge spoil	Barges moored at the River Grain Co.	1/10/01	

5	1342	D	You are approaching the Old River Control Structure (mile 314.5 AHP). The structure is in operation. Which of the following statements is TRUE?	The maximum speeds permitted when passing the channel are 10 mph downbound and	Tows must be no more than 110 feet wide when passing the inflow channel.	Tow length must not exceed 850 feet when passing the inflow channel.	You should navigate as close to the left bank of the Mississippi River as safety permits.	1/10/01	
5	1343	B	At 1042, on 16 March, you are passing the Vicksburg gage (mile 437.0 AHP). What has been the average current since 0630, 15 March, if you have been making turns for 8.0 mph?	1.2 mph	0.8 mph	0.5 mph	0.2 mph	1/10/01	
5	1344	B	What is your ETA at the Helena Highway Bridge?	1344, 24 Sept	1109, 24 Sept	0926, 24 Sept	0458, 24 Sept	1/10/01	
5	1345	C	Which type utility crossing is at mile 529.7 AHP?	1-26 Sub Gas Pipeline"	4-16 Sub Gas Pipelines"	1-36 Sub Gas Pipeline"	2-20 Sub Gas Pipelines"	1/10/01	
5	1346	A	What company does NOT have a marine facility along the river bank in Helena(mile 661 to 665 AHP)?	Riceland Food Corp.	Helena Marine Services, Inc.	Quincy Grain Co.	Texas Eastern Pipeline Co.	1/10/01	

5	1347	B	After you get underway, what is the first river gage you will pass?	Head of Passes	Donaldsonville	Baton Rouge	Red River Landing	1/10/01	
5	1348	C	You are turning for 9 mph, approaching Fort Adams Lt (311.4 AHP) and it is reported that the current at Knox Landing is estimated at 4.5 MPH. Which of the following statements is TRUE?	You are making 13.5 mph over the ground.	The inflow channel is a navigable channel for any vessel.	Tows and other vessels should navigate as close to the left descending bank as safety will permit.	Old River Control Structure Light and Fort Adams Light may be used as range lights when	1/10/01	
5	1349	B	Where can scheduled broadcast times of river stages be found?	Sailing Directions	Light List	List of Lights	Coast Pilot	1/10/01	
5	1350	D	At 1923, you increase speed to make good 9.2 mph. What is the first gage you will pass after your speed change?	Cottonwood Point	New Madrid	Fulton	Tiptonville	1/10/01	
5	1364	D	You pass Ratcliff Light (mile 289.8) at 1612. What was your average speed since leaving Baton Rouge?	7.3 mph	7.6 mph	8.0 mph	8.3 mph	1/10/01	

5	1365	C	As you approach Kate Aubrey Bar Light (mile 788 AHP), your searchlight will show what type of marking at the light?	Green triangle	Red and green banded square	Green square daymark	Diamond-shaped green daymark	1/10/01	
5	1366	C	What organization has an installation at the uppermost end of Carthage Revetment?	City of Natchez (waterfront)	International Paper Co.	U.S. Coast Guard	U.S. Army Corps of Engineers	1/10/01	
5	1367	C	How far is it to the Hernando Desoto Bridge in Memphis, TN?	980.8 miles	736.6 miles	218.1 miles	202.4 miles	1/10/01	
5	1368	C	The Helena gage reads 9.4 feet. The high point on your towboat is 42 feet above water. What is the vertical clearance when you pass under the Helena Highway Bridge?	53.0 feet	64.2 feet	68.0 feet	110.0 feet	1/10/01	
5	1369	B	At 0921, on 24 May, you are abreast the St. Catherine Bar Lt.(mile 348.6 AHP). If you are turning for 10.0 mph, what was the current since departure?	1.4 mph	1.7 mph	2.0 mph	7.0 mph	1/10/01	

5	1370	C	You complete changing out your tow and get underway enroute Ark City Tank Storage (mile 554.0 AHP) to deliver the tank barges. What is the distance you must travel from Cairo Point Light?	606.8 miles	554.0 miles	400.7 miles	202.1 miles	1/10/01	
5	1371	A	What is the milepoint of the Fulton Gage?	778 AHP	687 AHP	632 AHP	598 AHP	1/10/01	
5	1372	C	On which river is New Providence, TN located?	Allegheny	Upper Mississippi	Cumberland	Ohio	1/10/01	
5	1373	D	At 0119, on 10 September, you pass Springfield Bend Lt. (244.8 AHP) and estimate the current will average 2.5 mph for the remainder of your trip. What is your ETA at the mouth of the Ohio River if you are making turns for 8.5 mph?	1746, 12 September	1244, 13 September	1244, 14 September	2329, 14 September	1/10/01	
5	1374	C	If the highest point of your towboat is 54 feet above the water and the Natchez Gage reads 24.8 feet, what will be your vertical clearance when passing under the Natchez-Vidalia westbound Highway Bridge?	35.9 feet	43.2 feet	46.7 feet	57.5 feet	1/10/01	

5	1375	D	You have passed Ben Burman Lt.(mile 235.0 AHP) and see on the map a dark purplish area extending past Bayou Baton Rouge. This indicates a _____.	revetment	dredge material	dike	fleeting area	1/10/01	
5	1376	A	Which of the following statements regarding buoys on the Mississippi River is TRUE?	Bouys should be given as wide a berth as possible in passing.	Buoy positions on the chart are exact.	The buoys are maintained on station year round.	The buoys do not shift positions due to permanent moorings.	1/10/01	
5	1377	D	You are on map #13. What is the mile point of the facility known as Slay Warehousing, Inc.?	mile 171 UMR	mile 172 UMR	mile 173 UMR	mile 174 UMR	1/10/01	
5	1378	A	Your vessel is making turns for 9.5 mph and you estimate the average current for the trip will be 2.5 mph. What will be your ETA Donaldsonville, LA.	1222 on 7 October	1823 on 7 October	0443 on 8 October	1033 on 8 October	1/10/01	
5	1379	B	What is the distance to Caruthersville Gage from Cape Girardeau?	54.4 miles	160.4 miles	793.4 miles	899.4 miles	1/10/01	

5	1380	D	What is the vertical clearance of the Vicksburg Highway 80 Bridge when the river level is the same as the Low Water Reference Plane?	128.3 ft	125.6 ft	119.5 ft	116.1 ft	1/10/01	
5	1381	D	You are passing the Bayou Sara gage which reads 3.9 feet. Which of the following statements is TRUE?	The river level is above the Low Water Reference Plane.	Red Store Landing Revetment is ahead on your starboard side	This gage reading is at a lower elevation than the same reading on the gage at Head of Passes.	None of the above.	1/10/01	
5	1382	A	The highest point on your towboat is 48 feet above the water, and the Memphis Gage reads +7.5 feet. What is the vertical clearance when you pass under the Hernando Desoto Bridge in Memphis?	53.2 feet	58.1 feet	68.2 feet	96.3 feet	1/11/01	
5	1383	D	On which river is New Providence, TN located?	Allegheny	Upper Mississippi	Ohio	Cumberland	1/11/01	
5	1384	B	As you pass under the Vicksburg Bridges, you estimate the current as 3.0 mph. What is the speed over the ground, if your vessel is making turns for 10.5 mph?	16.5 mph	13.5 mph	10.5 mph	7.5 mph	1/11/01	

5	1387	A	What is the total length of the trip?	873.7 miles	900.7 miles	901.4 miles	910.6 miles	1/11/01	
5	1388	C	You are on a voyage from Corpus Christi, TX, to Fort de France, Martinique. The distance from pilot to pilot is 2190 miles. The speed of advance is 15.0 knots. You estimate a layover in Charlotte Amalie, Virgin Islands, of 16.0 hours. If	2054, 3 December	2254, 3 December	0054, 4 December	0254, 4 December	1/18/01	
5	1391	D	From your 2118 position, you steer a course of 288øT at an engine speed of 7.0 knots. Visibility is suddenly reduced to 2 miles. At what time can you expect to see Old Point Comfort Light?	The light is visible at 2118.	2155	2228	2232	2/2/01	
5	1392	D	On 3 February 1981, your 0550 zone time DR position is LAT 26ø16.0' N, LONG 112ø05.0' W. Considering their magnitude, azimuth, and altitude, which group includes the three bodies best suited for a fix at star time?	Spica, Antares, Saturn	Vega, Antares, Dubhe	Venus, Regulus, Vega	Spica, Kochab, Rasalhague	2/28/01	
5	1432	B	As you approach Joseph Henry Light(mile 445.2 AHP) which daymark would you see?	Red square	Red triangle	Green diamond	Green square	1/11/01	

5	1433	B	Your vessel is making turns for 9.5 mph and you estimate the average current for the trip will be 2.5 mph. What will be your ETA Donaldsonville, LA?	1044 on 7 October	1222 on 7 October	0443 on 8 October	1033 on 8 October	1/11/01	
5	1434	A	You are passing Eastwood Lt.(mile 849.3 AHP) and the map indicates that Bunge Grain facility would be located at the square with number _____.	8	6	4	2	1/11/01	
5	1435	D	When you pass under the Jefferson Barracks Highway Bridge (mile 168.6 UMR) what will be your vertical clearance if the highest point on your towboat is 55 feet and the St Louis Gage reads 21 feet?	25.8 feet	19.6 feet	14.7 feet	11.8 feet	1/11/01	
5	1436	D	At which of the following times would you be able to listen to lower Mississippi River conditions on VHF Channel 22A?	0900 hours	1100 hours	1200 hours	1500 hours	1/11/01	
5	1437	A	What is indicated by the two light grey shaded areas that cross the river above False River Lt.(mile 251.0 AHP).	Utility crossings	Ferry crossings	Aerial cable crossings	Bridge construction	1/11/01	

5	1438	C	The lighted mooring buoy at mile 228.7 AHP is a facility for which company?	Luhr Brothers	Cargo Carriers	International Marine Terminals	National Marine Inc.	1/11/01	
5	1439	C	You are turning for 10 mph and passing Hog Point, LA. (mile 297.5 AHP). Angola reports that the current at Red River Landing is 4.5 mph. Which statement is TRUE?	The main channel lies on the south side of the island you see ahead.	You are making 14.5 mph over the ground.	An underwater stone dike has been constructed 0.5 miles upstream of Miles Bar Towhead.	You would expect to find the more favorable current near the broken red line in the river.	1/11/01	
5	1440	C	Where can scheduled broadcast times of river stages be found?	Sailing Directions	List of Lights	Light List	Coast Pilot	1/11/01	
5	1441	B	You complete changing out your tow and get underway enroute Ark City Tank Storage (mile 554.0 AHP) to deliver the tank barges. What is the distance you must travel from Cairo Point Light?	202.1 miles	400.7 miles	554.2 miles	605.8 miles	1/11/01	
5	1442	C	What is the brown colored tint shown at Bordeaux Point Dykes (681.0 AHP)?	river gage	fish hatchery	dredge material	levee	1/10/01	

5	1443	D	How far is it to the Hernando Desoto Bridge in Memphis, TN?	980.8 miles	736.6 miles	312.3 miles	218.1 miles	1/10/01	
5	1444	D	What is the distance from the Arkansas River mouth to the Ohio River mouth in river miles?	594 miles	546 miles	422 miles	372 miles	1/10/01	
5	1445	C	What is the milepoint of Hickman, KY gage?	846.4 AHP	889.0 AHP	922.0 AHP	937.2 AHP	1/10/01	
5	1446	B	At 2100, January 12, you are passing Cherokee Landing Lt.(mile 112.5 UMR). What has been your speed over the ground since leaving St.Louis, MO,(mile 181 UMR).	10.4 mph	9.8 mph	9.2 mph	8.8 mph	1/10/01	
5	1447	D	As you approach Casting Yard Dock Lt(mile 265.4 AHP) you notice on the map a circle with 2 black sectors. This symbol indicates a _____.	lock	warning sign	mooring buoy	river gage	1/10/01	

5	1448	C	Your company wants to know at what time you will be arriving at the fleeting area at Sycamore Chute Light(mile 740.3 AHP) in Memphis, Tenn. You are making turns for 9.0 mph and you estimate the average current at 2.2 mph. Figuring the distance and time f	0557, April 19th	1045, April 19th	1242, April 19th	1733, April 19th	1/10/01	
5	1449	B	At 1814, on 11 September, you pass under the Greenville Highway Bridge(mile 531.3 AHP). What speed must you average to arrive at Jimmy Hawken Light(mile 663.5 AHP) at 0930 the following day?	8.9 mph	8.7 mph	6.3 mph	5.6 mph	1/10/01	
5	1450	A	What is the distance from Cairo Point, Ill, to Arkansas City?	400 miles	292 miles	110 miles	28 miles	1/10/01	
5	1471	B	On 21 February 1981, your 0823 zone time DR position is LAT 21°44.0' S, LONG 80°14.0' E. At that time, you observe the Sun bearing 096° psc. The chronometer reads 03h 25m 19s, and the chronometer error is 01m 52s fast. The variation is 5° W. W	2.2° E	4.7° W	5.7° E	6.3° W	4/13/00	
5	1504	A	After you enter the Ohio River at Cairo, which span of the Illinois Central RR Bridge would you select to pass under?	Northbank span only	Northbank or Southbank	Southbank span only	Any span is navigable	1/10/01	

5	1505	A	Which of the following statements regarding buoys on the Mississippi River is TRUE?	Buoy positions on the chart are approximate.	The position of river buoys can be found in the latest edition of the Light List-Vol. V.	The buoys are maintained on station year round.	The buoys do not shift positions due to permanent moorings.	1/10/01	
5	1506	C	At 0850, 4 January, you pass the gage at Natchez, MS which reads 26.8 feet. How many feet is this above the low water reference plane?	10.6 ft	11.6 ft	20.7 ft	26.8 ft	1/10/01	
5	1507	A	At 1300, 5 January, the river will be temporarily closed to navigation for six hours at mile 531.3 AHP due to repairs to a bridge. What minimum speed over the ground must you make from Natchez Gage in order not to be delayed?	6.0 mph	6.4 mph	6.8 mph	7.3 mph	1/10/01	
5	1508	B	Which light will you be passing at 0059, on 22 September, if you make good 9.2 mph,	Kate Aubrey Lt	Obion Bar Lt	Trotter Lt	Quaker Oats Lt	1/12/01	
5	1509	A	The Arkansas City Yellow Bend revetment on the LMR extends from mile_____.	555.5-549.7 RDB	549.0-548.5 RDB	556.9-554.9 LDB	548.5-546.5 LDB	1/10/01	

5	1510	C	At 1132, 24 May, you pass Natchez Beam Lt.(364.8 AHP). What is your ETA off the Memphis Gage if you average 8.0 mph?	2345, 25 May	0525, 26 May	0947, 26 May	2215, 26 May	1/10/01	
5	1511	C	Which company does NOT have a marine facility in Rosedale harbor(mile 585 AHP)?	Sanders Elevator Corp	Rosedale-Boliver County Port Commission	T.L. James	Cives Steel Company	1/10/01	
5	1512	C	What is the vertical clearance between the highest point of your towboat, if it is 45 feet above the water, and if the Natchez Gage reads 23.4 feet when passing under the Natchez-Vidalia Westbound Highway Bridge?	45.0 feet	52.2 feet	57.1 feet	67.5 feet	1/10/01	
5	1513	B	Which facility is located on the right descending bank at mile 363.6 AHP?	River Cement Corp.	Vidalia Dock and Storage Co.	T.L. James	Bunge Corp.	1/10/01	
5	1514	D	You are downbound, passing by Warfield Point Lt.(mile 537 AHP), when you observe on your Mississippi River map a green diamond with an SD" inside on the left bank below the light. This indicates a _____."	fleeting area	location for obtaining latest safety directions	warning sign to downbownd traffic that the channel soon crosses very close to the right bank	none of the above	1/10/01	

5	1515	C	What are the light characteristics of Greenwood Light(mile 288.6 AHP).	Fixed red light	1 red flash every 4 secopnds	2 red flashes every 5 seconds	2 white flashes every 4 seconds	1/10/01	
5	1516	A	On which map would you find Redman Point, Arkansas?	57	60	66	74	1/10/01	
5	1517	C	Which daymark would you see at Shields Bar Lt.(mile 882.2 AHP)?	Red triangle	Green triangle	Red diamond	Green square	1/10/01	
5	1518	A	Your engines are turning for 8.2 mph. You estimate the current at 1.5 mph. What is your speed over the ground?	9.7 mph	8.8 mph	8.2 mph	6.7 mph	1/10/01	
5	1519	D	At 1710 on 27 November, you are abeam of Kings Point Lt. (mile 439.8 AHP). At this time you receive a message that there will no be space for you at the Gold Bond Building Products wharf until after 1200 on the 29 November.What speed over the ground wi	5.4 mph	6.1 mph	6.9 mph	7.9 mph	1/10/01	

5	1520	A	What are the dimensions of the Old River Lock on the Lower Old River (304 AHP)?	1190 X 75 feet	1185 X 84 feet	1190 X 84 feet	1185 X 75 feet	1/10/01	
5	1521	B	At 0850, 4 January, you pass the gage at Natchez, MS which reads 26.8 feet. How many feet is this above the low water reference plane?	10.6 ft	20.7 ft	23.9 ft	26.8 ft	1/10/01	
5	1522	C	At 1923, on September 21, you pass Bixby Towhead Light(mile 873.7 AHP). What was your average speed since leaving Cairo?	9.2 mph	8.8 mph	8.5 mph	7.2 mph	1/10/01	
5	1523	B	What company does NOT have a marine facility along the river bank in Helena(mile 661 to 665 AHP)?	Helena Marine Services, Inc.	Riceland Food Corp.	Quincy Grain Co.	Texas Eastern Pipeline Co.	1/10/01	
5	1524	A	After you get underway, what is the first river gage you will pass?	Donaldsonville	Head of Passes	Baton Rouge	Red River Landing	1/10/01	

5	1525	D	At 2350, on 23 June, you are at mile 610.5 AHP when you see about a mile ahead two separate white lights on the water near the left bank. There is a red light on the bank in the same vicinity. What can you expect to see when you come abreast of these li	Privately maintained buoys at a yacht club.	Government buoys marking the Hurricane Point dikes.	A pipeline discharging dredge spoil.	None of the above	1/11/01	
5	1526	B	As you approach Dean Island Light (mile 755.7 AHP), which type of daymark will be observed at the light?	Green triangle	Green diamond	Green square	Red-and-green banded square	1/11/01	
5	1527	A	As you pass under the Baton Rouge R.R. and Hwy 190 Bridge(233.9 AHP), the Ingram Aggregates facility is indicated by which numbered box?	8	6	5	2	1/11/01	
5	1528	D	As you approach Gibson Light(mile 371.2 AHP), which type of daymark would you see on the light structure?	Red square	Green triangle	Red diamond	Green diamond	1/11/01	
5	1529	C	Which type of daymark would you see on the Belle Island Corner Lt at mile 458.6 AHP?	Green - Diamond	Green - Square	Red - Diamond	Red - Triangle	1/11/01	

5	1530	C	The Platte River empties into which river?	Mississippi	Ohio	Missouri	Tennessee	1/11/01	
5	1531	D	The horizontal clearance of the center span on the Baton Rouge RR and Highway 190 Bridge is _____.	443	500	575	623	1/11/01	
5	1532	B	As you pass Solitude Lt.(mile 249.0 AHP) which dayboard would you see?	Green square	Green diamond	Red triangle	Red diamond	1/11/01	
5	1533	A	Your company wants to know at what time you will be arriving at the fleeting area at Sycamore Chute Light(mile 740.3 AHP) in Memphis, Tenn. You are making turns for 9.0 mph and you estimate the average current at 2.2 mph. Figuring the distance and time f	1242, April 19th	1645, April 19th	2242, April 19th	2333, April 19th	1/11/01	
5	1623	B	How long will it take you to go from the Memphis gage to your destination in New Orleans, LA, if you estimate the average current on this segment of the route to be 2.0 mph and you increase the engine turns to 8.5 mph?	1 day 20 hours 33 minutes	2 days 12 hours 15 minutes	2 days 15 hours 12 minutes	3 days 4 hours 11 minutes	1/11/01	

5	1624	D	Your engines are turning for 8.2 mph. You estimate the current at 1.5 mph. What is your speed over the ground?	6.7 mph	8.2 mph	8.8 mph	9.7 mph	1/11/01	
5	1625	C	At 1030, 13 January, you are passing Columbus Point Lt.(mile 936.1 AHP). What has been your average speed since leaving St. Louis(mile 181 UMR) on the 12th of January at 1400 hours?	9.1 mph	9.4 mph	9.7 mph	10.4 mph	1/11/01	
5	1626	C	At 2100, January 12, you are passing Cherokee Landing Lt.(mile 112.5 UMR). What has been your speed over the ground since leaving St.Louis, MO,(mile 181 UMR)?	8.8 mph	9.2 mph	9.8 mph	10.4 mph	1/11/01	
5	1627	D	What is your clearance as you pass under the Vicksburg Highway 80 Bridge(mile 437.8 AHP). if the Vicksburg gage reads 14.8 feet and the highest point on your tow boat is 44.5 feet?	36 feet	42 feet	48 feet	57 feet	1/11/01	
5	1628	B	At 1554, on 25 May, you pass Huntington Point Light(mile 555.2 AHP). What was your average speed since departing Amoco Pipeline Co. Docks(253.6 AHP)?	6.9 mph	6.2 mph	4.8 mph	4.3 mph	1/11/01	

5	1629	D	Which facility is located on the right descending bank at mile 363.6 AHP?	River Cement Corp.	Bunge Corp.	T.L. James	Vidalia Dock and Storage Co.	1/11/01	
5	1630	A	As you pass under the Natchez-Vidalia Dual Bridge, the gage on the bridge reads 8.9 ft. If the highest point on your vessel is 54 ft. above the water, what is your vertical clearance?	62.6 feet	65.3 feet	67.2 feet	122.0 feet	1/11/01	
5	1631	B	What is the total length of the trip?	906.3 miles	922.3 miles	1155.8 miles	1187.3 miles	1/11/01	
5	1632	C	As you approach the Cahokia Marine Terminal Lights, you notice on the map a dashed line crossing the river at mile 178.3 UMR. This line indicates _____.	aerial crossings	2 sub tel cables	16 submarine power cables	2-10 gas pipelines"	1/11/01	
5	1633	B	What is the vertical clearance between the highest point of your towboat, if it is 45 feet above the water, and if the Natchez Gage reads 23.4 feet when passing under the Natchez-Vidalia Westbound Highway Bridge?	67.5 feet	57.1 feet	52.2 feet	45.2 feet	1/11/01	

5	1634	A	Which type utility crossing is at mile 529.7 AHP?	1-36 Sub Gas Pipeline"	4-16 Sub Gas Pipelines"	2-36 Sub Gas Pipeline"	2-20 Sub Gas Pipelines"	1/10/01	
5	1635	C	How long will it take you to go from the Memphis gage to your destination in New Orleans, LA, if you estimate the average current on this segment of the route to be 2.0 mph and you increase the engine turns to 8.5 mph.	1 day 20 hours 33 minutes	2 days 6 hours 24 minutes	2 days 12 hours 15 minutes	3 days 4 hours 11 minutes	1/10/01	
5	1636	B	At 1030, 13 January, you are passing Columbus Point Lt.(mile 936.1 AHP). What has been your average speed since leaving St. Louis(mile 181 UMR) on the 12th of January at 1400 hours?	10.4 mph	9.7 mph	9.4 mph	9.1 mph	1/10/01	
5	1637	C	What is the width of the widest span of the Cairo Highway Bridge (Upper Mississippi River mile 1.3)?	503 feet	625 feet	675 feet	800 feet	1/10/01	
5	1638	D	In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?	List of Buoys and Daymarks	U.S.C.G. Light List	C of E Navigation Chart	None of the above	1/10/01	

5	1639	C	Which of the following statements concerning the buoys on the Mississippi River is TRUE?	The position of river buoys can be determined by consulting the latest Light List - Vol. V.	A preferred channel mark is a lateral mark indicating a channel junction which must always be	Setting a buoy is the act of placing a buoy on assigned position in the water.	None of the above.	1/10/01	
5	1640	A	Which town is located at mile 663.5 AHP?	Helena	Friers Point	St. Francis	Rodney	1/10/01	
5	1641	A	At 1430 on 13 August, you pass Carolina Landing Light (508.8 AHP). What has been the average current since 0230, 13 August if you have been making turns for 8.0 mph?	0.5 mph	1.5 mph	5.7 mph	8.5 mph	1/10/01	
5	1643	A	The Natchez gage reads 8.6 feet. The high point on your towboat is 38 feet above water. What is the vertical clearance when you pass under the Natchez Highway Bridge?	79.0 feet	71.3 feet	65.2 feet	59.1 feet	1/10/01	
5	1644	A	From your 2207 position you adjust your course to arrive 0.3 mile north of Lighted Whistle Buoy NCA". If you make						

5	1645	B	What daymark should you see as you approach Lobdell Light (mile 238.1 AHP)?	Green square	Green diamond	Green triangle	Red square	1/10/01	
5	1646	A	Where would you find out which buoys, if any, are in place at Concordia Bar crossing (mile 596.0 AHP)?	Channel Report	Bulletin board at the Rosedale gage	Waterways Journal	None of the above	1/10/01	
5	1647	B	In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?	List of Buoys and Daymarks	U.S.C.G. Notice to Mariners Channel Report	C of E Navigation Chart	None of the above	1/10/01	
5	1648	B	The highest point on your towboat is 48 feet above the water, and the Memphis Gage reads +7.5 feet. What is the vertical clearance when you pass under the Hernando Desoto Bridge in Memphis?	48.0 feet	53.2 feet	68.2 feet	116.0 feet	1/10/01	
5	1649	C	What does the red diamond with the letter S" indicate just						

5	1655	A	The Delta-Friar Point revetment on the LMR extends from mile _____.	657.3 - 652.2 LDB	652.8 - 649.6 RDB	648.5 - 645.5 LDB	645.6 - 641.4 RDB	1/10/01	
5	1656	C	You pass Morrison Towhead Light (mile 890.5 AHP) at 1723. What was your average speed since leaving Cairo?	7.5 mph	7.8 mph	8.5 mph	8.8 mph	1/10/01	
5	1684	C	At what time would you listen to VHF Channel 22A (157.1 MHz) for information concerning the stage of the river between Memphis and Cairo?	1115	1235	1300	1815	1/10/01	
5	1685	B	Which of the following describes the DeSoto Terminal Co. facility at mile 570.6 AHP?	Mooring dolphins in midstream and a conveyor	Three mooring dolphins along the revetment and a conveyor on pilings	A wingdam creating a sheltered mooring and two dolphins	A submerged intake extending out 300 feet to mooring dolphins	1/10/01	
5	1686	C	At 0305 on 18 April, you pass under the Greenville Bridge (mile 531.3 AHP). What was your average speed since departing Amoco Pipeline Co. Docks (253.6 AHP)?	6.2 mph	6.5 mph	6.8 mph	7.2 mph	1/10/01	

5	1687	A	The highest point on your towboat is 57 feet above the water, and the Memphis Gage reads +1.3 feet. What is the vertical clearance when you pass under the B-span of the Hernando Desoto Bridge in Memphis?	50.4 feet	53.3 feet	55.7 feet	112.7 feet	1/10/01	
5	1688	D	What is the mile point of the Arkansas City gage?	562.8 AHP	560.0 AHP	556.8 AHP	554.2 AHP	1/10/01	
5	1689	A	You pass Ratcliff Light (mile 289.8) at 1612. What was your average speed since leaving Baton Rouge?	8.3 mph	8.0 mph	7.6 mph	7.3 mph	1/10/01	
5	1690	A	The charts show two dashed lines crossing the river just south of St. Catherine Bar Light. What does this indicate?	two submerged oil pipelines	Louisiana-Mississippi ferry crossings	Overhead power lines	Two railroad trestles	1/10/01	
5	1691	D	At 2350, on 23 June, you are at mile 610.5 AHP when you see about a mile ahead two separate white lights on the water near the left bank. There is a red light on the bank in the same vicinity. What can you expect to see when you come abreast of these li	Privately maintained buoys at a yacht club.	Government buoys marking the Hurricane Point dikes.	A pipeline discharging dredge spoil.	None of the above	1/10/01	

5	1692	D	At 1019, on 10 March, you pass under the Greenville Bridge (mile 531.3 AHP). What was your average speed since departing River Cement Co. Dock?	6.2 mph	6.5 mph	6.8 mph	7.2 mph	1/10/01	
5	1693	D	What is the distance from the Amoco Docks at Baton Rouge, LA, to Pittsburgh, PA?	727.9 miles	981.5 miles	1575.3 miles	1681.7 miles	1/10/01	
5	1694	A	The highest point on your towboat is 67 feet above the water, and the Helena Gage reads +22.3 feet. What is the vertical clearance when you pass under the A-span of the Helena Highway Bridge?	30.1 feet	49.8 feet	52.4 feet	74.7 feet	1/10/01	
5	1695	B	As you pass under the Baton Rouge R.R. and Hwy 190 Bridge(233.9 AHP), the Ingram Aggregates facility is indicated by which numbered box?	3	8	11	15	1/10/01	
5	1696	D	If the Bayou Sara gage reads -0.5 feet, what is the water level in relation to the low water reference plane?	0.5 foot below the plane	0.5 foot above the plane	5.25 feet above the plane	5.75 feet below the plane	1/10/01	

5	1697	D	The Vicksburg gage reads 31.9 feet. The high point on your towboat is 43 feet above the water. What is the vertical clearance as you pass under the Vicksburg Highway 80 Bridge?	84.3 feet	72.5 feet	58.0 feet	41.3 feet	1/10/01	
5	1698	D	At 1612 you increase speed to make good 8.9 mph. At 1942 you are _____.	abeam of Old River Control Structure Light	at Latitude 31ø 10' N	at Palmetto Point	entering the Vicksburg district of the U.S. Army Corps of Engineers	1/10/01	
5	1699	D	A stretch where the channel changes from one side of the river to the other is called a _____.	passing	transit	transfer	crossing	1/10/01	
5	1712	D	What is the distance from Cairo Point, Ill, to Arkansas City?	28 miles	110 miles	218 miles	400 miles	4/3/00	
5	1713	C	After you get underway, what is the first river gage you will pass?	Head of Passes	Baton Rouge	Bayou Sara	Red River Landing	1/10/01	

5	1714	C	What is the vertical clearance between the highest point of your towboat, if it is 58 feet above the water, and if the Natchez Gage reads 28.13 feet when passing under the Natchez Upper Highway Bridge?	15.9 feet	33.2 feet	39.3 feet	45.4 feet	1/10/01	
5	1715	D	The latest available information on the channel conditions above Baton Rouge that includes the latest buoy information, as well as recommended courses, is found in the _____.	Corps of Engineers maps	Waterways Journal	Sailing Directions	Notice to Mariners Channel Report	1/10/01	
5	1716	B	What are the dimensions of the Old River Lock on the Lower Old River (304 AHP)?	1185 X 75 feet	1190 X 75 feet	1190 X 84 feet	1185 X 84 feet	1/10/01	
5	1717	B	At what time would you listen to VHF Channel 22A (157.1 MHz) for information concerning the stage of the river between Memphis and Cairo?	1815	1300	1235	1115	1/10/01	
5	1718	C	You are passing the Memphis gage at 0405, 18 March. If you are turning for 8 mph and estimate the current at 0.9 mph, what is your ETA at Cairo Point, III(954.5 AHP)?	1808, 19 Mar	1518, 19 Mar	1052, 19 Mar	0447, 19 Mar	1/10/01	

5	1719	C	What is the milepoint of the Rosedale Gage?	554 AHP	587 AHP	592 AHP	598 AHP	1/10/01	
5	1751	B	What does the red diamond with the letter S" indicate just						
5	1765	A	The river will be temporarily closed to navigation at mile 531.3 AHP due to repairs to the bridge. This will occur at 1530, 5 January, and last for six hours. What minimum speed over the ground must you make from Red River Landing Gage in order not	6.2 mph	6.4 mph	6.8 mph	7.3 mph	9/18/00	
5	1784	B	You are turning for 10 mph, approaching Angola, LA. Angolareports that the current at Red River Landing is estimated at 4.5 MPH. Which of the following statements is TRUE?	You are making 14.5 mph over the ground.	You should expect to encounter vessels crossing the river at mile 300.5 AHP.	You would expect to find a more favorable current near the broken red line in the river.	Hog Pt. Light and Hog Pt. Lower Light may be used as range lights when entering Shreves cut-off.	1/10/01	
5	1786	A	Which daymark should you see as you approach French Point Light(mile 915.4 AHP)?	Red triangle	Green square	Red and green rectangle	Green diamond	1/10/01	

5	1787	C	The Linwood Bend revetment on the LMR extends from mile_____.	828.1-823.1 RDB	831.7-829.4 RDB	841.3-838.0 LDB	845.4-842.5 LDB	1/10/01	
5	1788	A	What is the distance from the River Cement Co. Dock to the mouth of the Ohio River?	780.8 miles	871.9 miles	953.5 miles	981.5 miles	1/10/01	
5	1789	C	You estimate the current at 2.0 mph. What is the speed over the ground?	3.5 mph	4.5 mph	5.5 mph	9.5 mph	1/10/01	
5	1790	B	As you approach the Cahokia Marine Terminal Lights, you notice on the map a dashed line crossing the river at mile 178.3 UMR. This line indicates _____.	aerial crossings	16 submarine power cables	2 sub tel cables	2-10 gas pipelines"	1/10/01	
5	1791	A	At 1032 on 24 June, you pass Carolina Landing Light(508.8 AHP). What has been the average current since 2350, 23 June, if you have been making turns for 9.0 mph?	0.5 mph	1.5 mph	5.7 mph	8.5 mph	1/10/01	

5	1792	B	You have orders to drop off the empties at the fleeting area at Cairo Point and add five loaded tank barges to your tow. If you are turning for 9 mph and estimate the current at 1.5 mph, what is your ETA at Cairo?	1031, 22 June	1423, 22 June	1741, 22 June	2210, 22 June	1/10/01	
5	1793	D	What is the brown colored tint shown at Bordeaux Point Dykes (681.0 AHP)?	river gage	fish hatchery	levee	dredge material	1/10/01	
5	1794	D	Which daymark will you see as you approach Natchez Beam Lt. (mile 364.8 AHP)?	Red diamond	White square	Green square	Red triangle	1/10/01	
5	1795	D	You are passing the Bayou Sara gage which reads 3.9 feet. Which of the following statements is TRUE?	The river level is above the Low Water Reference Plane.	Red Store Landing Revetment is ahead on your starboard side	This gage reading is at a lower elevation than the same reading on the gage at Head of Passes.	None of the above.	1/10/01	
5	1796	C	What is the length of the trip?	1195.4 miles	1223.1 miles	1520.1 miles	1657.8 miles	1/10/01	

5	1797	B	At 1923, on September 21, you pass Bixby Towhead Light(mile 873.7 AHP). What was your average speed since leaving Cairo?	7.8 mph	8.5 mph	8.8 mph	9.2 mph	1/10/01	
5	1798	C	You are turning for 6.8 mph and estimate the current at 1.0 mph. What is your speed over the ground?	8.8 mph	8.2 mph	7.8 mph	6.8 mph	1/10/01	
5	1799	A	Which type of daymark will you see as you approach Old Levee Light (mile 385.2 AHP)?	Green square	Red square	Green Diamond	Private aid - no daymark	1/10/01	
5	1800	B	At 2142, on January 3, you pass Sebastapol Light (mile 283.3 AHP). At 0137, January 4, you pass Fort Adams Light(311.4 AHP). You have been turning for 9.0 mph. What was the current?	1.2 mph	1.8 mph	2.7 mph	6.2 mph	1/10/01	
5	1808	A	As you approach French Point Light (mile 915.4 AHP), you see 2 daymarks on the structure. What significance do the daymarks have?	They indicate the starboard side of the channel from seaward and a channel crossing.	They indicate the starboard side of the channel from seaward and midchannel fairway.	They indicate the port side of the channel from seaward and a range marking.	They indicate the port side of the channel and a channel crossing.	1/10/01	

5	1809	B	You are downbound, passing by Natchez, Miss., when you observe on your Mississippi River map a diamond with an S"						
5	1810	A	At 0922, on 24 May, you are abreast the St. Catherine Bar Lt. (mile 348.6 AHP). If you are turning for 8.0 mph, what is the current?	1.0 mph	1.4 mph	2.0 mph	7.0 mph	1/10/01	
5	1811	B	In addition to the C of E maps, data on bridge clearances may be found in the _____.	C of E Regulations	Light List	Waterways Journal	Channel Report	1/10/01	
5	1812	B	What are the dimensions of the Port Allen Lock at Baton Rouge, LA?	75 feet x 1188 feet	84 feet x 1188 feet	84 feet x 1180 feet	75 feet x 1180 feet	1/10/01	
5	1813	D	Which type of daymark would you see on the Belle Island Corner Lt at mile 458.6 AHP?	Green - Diamond	Green - Square	Red - Triangle	Red - Diamond	1/10/01	

5	1814	A	What is the distance from Greenville, MS, to Oquaka, IL on the Mississippi River System?	832 miles	733 miles	597 miles	537 miles	1/10/01	
5	1815	A	At 1554, on 25 May, you pass Huntington Point Light(mile 555.2 AHP). What was your average speed since departing Amoco Pipeline Co. Docks(253.6 AHP)?	6.2 mph	5.2 mph	4.8 mph	4.3 mph	1/10/01	
5	1816	D	What is the distance in river miles, from the new mouth of the White River to the Petroleum Fuel & Terminal Co.(144.6 AHP)?	370 miles	384 miles	447 miles	454 miles	1/10/01	
5	1817	C	The horizontal clearance of the center span on the Baton Rouge RR and Highway 190 Bridge is _____.	443	500	623	748	1/10/01	
5	1818	C	At which of the following times would you be able to listen to lower Mississippi River conditions on VHF Channel 22A.	0900 hours	1100 hours	1500 hours	1700 hours	1/10/01	

5	1819	B	You estimate the current as 2.5 mph. What is the speed over the ground?	5.5 mph	6.0 mph	8.0 mph	11.0 mph	1/10/01	
5	1820	C	What is your clearance as you pass under the Vicksburg Highway 80 Bridge(mile 437.8 AHP). if the Vicksburg gage reads 14.8 feet and the highest point on your tow boat is 44.5 feet?	36 feet	42 feet	57 feet	66 feet	1/10/01	
5	1821	A	As you approach Joseph Henry Light(mile 445.2 AHP) which daymark would you see?	Red triangle	Red square	Green diamond	Green square	1/10/01	
5	1822	B	You see a buoy with red and green bands. This buoy marks _____.	the center of the channel	the preferred channel	a channel crossing	an isolated danger	1/10/01	
5	1823	B	The Vicksburg gage reads 31.9 feet. The high point on your towboat is 43 feet above the water. What is the vertical clearance as you pass under the Vicksburg Highway 80 Bridge?	36.2 feet	41.3 feet	58.0 feet	84.3 feet	1/10/01	

5	1824	B	At 1923, you increase speed to make good 9.2 mph. What is the first gage you will pass after your speed change?	Cottonwood Point	Tiptonville	Fulton	New Madrid	1/10/01	
5	1825	A	The Arkansas City Yellow Bend revetment on the LMR extends from mile_____.	555.5-549.7 RDB	549.0-548.5 RDB	556.9-554.9 LDB	548.5-546.5 LDB	1/10/01	
5	1826	B	Which town is located at mile 663.5 AHP?	Friers Point	Helena	St. Francis	Rodney	1/10/01	
5	1827	A	What is the distance in river miles, from the new mouth of the White River to the Petroleum Fuel & Terminal Co.(144.6 AHP)?	454 miles	447 miles	384 miles	370 miles	1/11/01	
5	1828	D	You are downbound, passing by Warfield Point Lt.(mile 537 AHP), when you observe on your Mississippi River map a green diamond with an SD" inside on the left bank below the light. This indicates a _____."	fleeting area	location for obtaining latest safety directions	warning sign to downbownd traffic that the channel soon crosses very close to the right bank	none of the above	1/11/01	

5	1829	C	You see a buoy with red and green bands. This buoy marks _____.	the center of the channel	a channel crossing	the preferred channel	an isolated danger	1/11/01	
5	1830	A	At 1710 on 27 November, you are abeam of Kings Point Lt.(mile 439.8 AHP). At this time you receive a message that there will no be space for you at the Gold Bond Building Products wharf until after 1200 on the 29 November. What speed over the ground wil	7.9 mph	6.9 mph	6.1 mph	5.4 mph	1/11/01	
5	1843	C	As you approach Casting Yard Dock Lt(mile 265.4 AHP) you notice on the map a circle with 2 black sectors. This symbol indicates a _____.	lock	warning sign	river gage	mooring buoy	1/11/01	
5	1844	B	You estimate the current at 2.0 mph. What is the speed over the ground?	9.5 mph	5.5 mph	5.0 mph	4.5 mph	1/11/01	
5	1845	D	At 1032 on 24 June, you pass Carolina Landing Light(508.8 AHP). What has been the average current since 2350, 23 June, if you have been making turns for 9.0 mph?	8.5 mph	5.7 mph	1.5 mph	0.5 mph	1/11/01	

5	1846	D	The Helena gage reads 9.4 feet. The high point on your towboat is 42 feet above water. What is the vertical clearance when you pass under the Helena Highway Bridge?	53.0 feet	62.6 feet	64.2 feet	68.0 feet	1/10/01	
5	1847	C	Which type of daymark will you see as you approach Old Levee Light (mile 385.2 AHP)?	Green Diamond	Red square	Green square	Private aid - no daymark	1/10/01	
5	1848	B	If the highest point on your towboat is 52 feet and the West Memphis gage reads 26 feet what is the vertical clearance when you pass under the Hernando Desoto Bridge (736.6 AHP)?	25.8 feet	30.7 feet	42.6 feet	56.7 feet	1/10/01	
5	1849	A	As you pass Solitude Lt.(mile 249.0 AHP) which dayboard would you see?	Green diamond	Green square	Red triangle	Red diamond	1/10/01	
5	1850	D	At 0715, on March 9, you pass Knox Landing Gage(313.8 AHP) and estimate the current will average 3.5 mph for the remainder of the time on the Mississippi River. What is your ETA at the mouth of the Ohio River if you increase speed to turn for 10 mph?	0640, 11 March	0554, 12 March	1830, 12 March	0943, 13 March	1/10/01	

5	1927	B	What are the color and shape of Sunnyside Daymark at mile 530.6 AHP?	Green - Diamond	Green - Square	Red - Triangle	Red - Square	1/10/01	
5	1930	C	You pass Warnicott Bar Lt. at 1146, 24 May. What is your ETA off the Mhoon Landing gage if you average 6.5 mph?	0152, 26 May	0426, 26 May	1528, 26 May	0909, 27 May	1/10/01	
5	1931	A	What is the total length of the trip?	922.3 miles	985.3 miles	1155.8 miles	1187.3 miles	1/10/01	
5	1932	C	What company does NOT have a marine facility along the river bank in Madison Parish (mile 457.0 AHP)?	Complex Chemical Co.	Delta Southern Railroads	Baxter Wilson Steamplant	Scott Petroleum	1/10/01	
5	1933	C	You are turning for 10 mph and passing Hog Point, LA. (mile 297.5 AHP). Angola reports that the current at Red River Landing is 4.5 mph. Which statement is TRUE?	The main channel lies on the south side of the island you see ahead.	You are making 14.5 mph over the ground.	An underwater stone dike has been constructed 0.5 miles upstream of Miles Bar Towhead.	You would expect to find the more favorable current near the broken red line in the river.	1/10/01	

5	1934	C	Which of the following statements are TRUE?	Oil well structures are listed in the Light List.	All aids to navigation with lights have lateral significance.	On the Western Rivers, crossing marks may exhibit white lights.	All of the above.	1/10/01	
5	1935	C	As you approach Buckridge Light(mile 411.5 AHP), which type of daymark would you see on the light structure?	Red diamond	Red triangle	Green square	Green diamond	1/10/01	
5	1936	D	After passing Wilkinson Lt. you see a flashing amber light on the right descending bank ahead. The flashing light indicates that you should _____.	stay in the deepest water	slow down due to dredging operations	keep as close to the right descending bank as safety permits	keep as close to the left descending bank as safety permits	1/10/01	
5	1937	B	At 0645, on the 17th of April, you pass Hole in the Wall Lt(mile 373.4 AHP). What has been your average speed since departing the Exxon Refinery?	5.8 mph	6.3 mph	6.7 mph	7.1 mph	1/10/01	
5	1939	C	At 1609, on October 5, you are abeam of Star Landing Lt.(mile 707.2 AHP) . You calculate your speed since you departed Sycamore Chute fleeting area. If you are turning for 9.5 mph what was the current?	1.0 mph	1.5 mph	2.0 mph	2.5 mph	1/10/01	

5	1940	B	At 1300, 5 January, the river will be temporarily closed to navigation for six hours at mile 531.3 AHP due to repairs to a bridge. What minimum speed over the ground must you make from Natchez Gage in order not to be delayed?	5.7 mph	6.0 mph	6.8 mph	7.3 mph	1/10/01	
5	1941	D	The Linwood Bend revetment on the LMR extends from mile_____.	828.1-823.1 RDB	831.7-829.4 RDB	845.4-842.5 LDB	841.3-838.0 LDB	1/10/01	
5	1942	D	What is the milepoint of the Fulton Gage?	598 AHP	632 AHP	687 AHP	778 AHP	1/11/01	
5	1943	C	At 0119, on 10 September, you pass Springfield Bend Lt. (244.8 AHP) and estimate the current will average 2.5 mph for the remainder of your trip. What is your ETA at the mouth of the Ohio River if you are making turns for 8.5 mph?	1746, 12 September	1244, 13 September	2329, 14 September	0210, 15 September	1/11/01	
5	1944	B	The Vacluse Trenchfill revetment on the LMR extends from mile _____.	524.3 - 522.6 RDB	534.3 - 532.6 RDB	535.9 - 534.3 LDB	534.3 - 532.6 LDB	1/11/01	

5	1945	D	In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?	List of Buoys and Daymarks	U.S.C.G. Light List	C of E Navigation Chart	None of the above	1/11/01	
5	1946	D	As you approach Buckridge Light(mile 411.5 AHP), which type of daymark would you see on the light structure?	Red diamond	Red triangle	Green diamond	Green square	1/11/01	
5	1947	B	What is the length of the trip?	405.8 miles	904.0 miles	1002.0 miles	1136.8 miles	1/11/01	
5	1948	C	You are passing Goose Island Lt.(mile 34.4 UMR).The brown shaded areas alongside the river represent _____.	levees	revetments	dredged material	dikes	1/11/01	
5	1987	B	As you approach Old River Control Structure Light you see a flashing amber light. You should _____.	navigate as close to the right descending bank as safety permits	navigate as close to the left descending bank as safety permits	turn into the inflow channel as the bypass is now open	slow your engine speed to not more than 5 mph	1/11/01	

5	1988	C	As you approach West Memphis Lt.(mile 727.4 AHP) you notice on the map a dashed line crossing the river. This line indicates a _____.	submerged oil pipeline	submerged gas pipeline	aerial transmission line	aerial tramway	1/11/01	
5	1989	A	What is the milepoint of Hickman, KY gage?	922.0 AHP	889.0 AHP	865.0 AHP	837.2 AHP	1/11/01	
5	1990	C	At Filter Point Light(mile 475 AHP) there are 3 close straight dashed lines on the map passing through the black dot below the number 475. What do these lines represent?	Submerged oil pipelines	Submerged gas pipelines	Submerged telephone cables	Aerial power cables	1/11/01	
5	1991	A	From Baton Rouge to Cairo, what is the maintained minimum channel depth during low water?	9 feet	12 feet	15 feet	30 feet	1/11/01	
5	1992	B	What are the light characteristics of Greenwood Light(mile 288.6 AHP)?	Fixed red light	2 red flashes every 5 seconds	1 red flash every 4 seconds	2 white flashes every 4 seconds	1/11/01	

5	1993	A	The solid lines extending into the channel at mile 948 AHP are _____.	dikes	revetments	spoil areas	Westvaco Service Facilities	1/11/01	
5	1994	C	At 0715, on March 9, you pass Knox Landing Gage(313.8 AHP) and estimate the current will average 3.5 mph for the remainder of the time on the Mississippi River. What is your ETA at the mouth of the Ohio River if you increase speed to turn for 10 mph?	0640, 11 March	0554, 12 March	0943, 13 March	1242, 13 March	1/11/01	
5	1995	A	Which company does NOT have a marine facility in Rosedale harbor(mile 585 AHP)?	T.L. James	Rosedale-Boliver County Port Commission	Cives Steel Company	Sanders Elevator Corp	1/11/01	
5	1996	D	What is the distance from the Memphis gage to the Gold Bond Building Products Wharf in New Orleans, LA.	460 miles	503 miles	588 miles	633 miles	1/10/01	
5	1997	D	After passing Oak Bend Lt.(mile 425.6 AHP) you see a light grey shaded area extending into the river shown on the map. This indicates a _____.	fleeting area	weir	dike	revetment	1/10/01	

5	1998	A	As you approach Ashland Light(mile 378.1 AHP) which daymark would you see?	Red Triangle	Red diamond	Green square	Green diamond	1/10/01	
5	1999	D	The lighted mooring buoy at mile 228.7 AHP is a facility for which company?	Luhr Brothers	Cargo Carriers	National Marine, Inc.	International Marine Terminals	1/10/01	
5	2000	A	As you approach Gibson Light(mile 371.2 AHP), which type of daymark would you see on the light structure?	Green diamond	Green triangle	Red diamond	Red square	1/10/01	
5	2027	B	At 1612 you increase speed to make good 8.9 mph. At 1942 you are _____.	abeam of Old River Control Structure Light	entering the Vicksburg District of the U.S. Army Corps of Engineers	at Palmetto Point	at Latitude 31°10' N	1/10/01	
5	2028	C	You pass Springfield Bend Lt. (244.8 AHP) at 1242, on 17 October, and estimate the current will average 2.5 mph for the remainder of your trip. What is your ETA at the mouth of the Ohio River if you are making turns for 10.5 mph?	1905, 19 October	2122, 19 October	0519, 21 October	0847, 21 October	1/10/01	

5	2029	A	You have received orders to proceed to the Amoco Pipeline Co. (253.6 AHP) above Baton Rouge. If your vessel is making turns for 9 mph with an estimated average current of 1.5 mph, what is your ETA at the Amoco docks?	1444, 27 Aug	2214, 27 Aug	0844, 28 Aug	1454, 28 Aug	1/10/01	
5	2030	B	As you pass under the Greenville Highway Bridge, you estimate the current as 4.5 mph. What is the speed over the ground, if your vessel is making turns for 9 mph?	9.5 mph	13.5 mph	14.5 mph	16.5 mph	1/10/01	
5	2031	B	The Helena gage reads 9.4 feet. The high point on your towboat is 46 feet above water. What is the vertical clearance when you pass under the Helena Highway Bridge?	56.0 feet	64.2 feet	79.5 feet	106.1 feet	1/10/01	
5	2032	A	The Vaucluse Trenchfill revetment on the LMR extends from mile _____.	534.3 - 532.6 RDB	535.9 - 534.3 RDB	535.9 - 534.3 LDB	534.3 - 532.6 LDB	1/10/01	
5	2033	B	The solid lines extending into the channel at mile 948 AHP are _____.	revetments	dikes	spoil areas	Westvaco Service Facilities	1/10/01	

5	2034	B	The Platte River empties into which river?	Mississippi	Missouri	Ohio	Tennessee	1/10/01	
5	2035	A	When you pass under the Jefferson Barracks Highway Bridge (mile 168.6 UMR) what will be your vertical clearance if the highest point on your towboat is 55 feet and the St Louis Gage reads 21 feet?	11.8 feet	14.6 feet	19.7 feet	25.8 feet	1/10/01	
5	2036	D	You are passing Goose Island Lt.(mile 34.4 UMR). The brown shaded areas alongside the river represent _____.	levees	revetments	dikes	dredged material	1/10/01	
5	2038	D	What are the dimensions of the Old River Lock?	110ft x 1190ft	100ft x 990ft	75ft x 1000ft	75ft x 1190ft	1/10/01	
5	2039	C	What is the length of the trip?	720.8 miles	777.4 miles	897.2 miles	906.3 miles	1/10/01	

5	2040	D	The Memphis gage reads 18.4 feet. The high point of your towboat is 48 feet above water. What is the vertical clearance as you pass under the Memphis Highway Bridge?	75.4 feet	66.4 feet	53.8 feet	46.4 feet	1/10/01	
5	2041	A	You are turning for 9 mph, approaching Fort Adams Lt (311.4 AHP) and it is reported that the current at Knox Landing is estimated at 4.5 MPH. Which of the following statements is TRUE?	Tows and other vessels should navigate as close to the left descending bank as safety will permit.	The inflow channel is a navigable channel for any vessel.	You are making 13.5 mph over the ground.	Old River Control Structure Light and Fort Adams Light may be used as range lights when	1/11/01	
5	2042	C	Which of the following statements are TRUE?	Oil well structures are listed in the Light List.	All aids to navigation with lights have lateral significance.	On the Western Rivers, crossing marks may exhibit white lights.	None of the above.	1/11/01	
5	2043	B	At 0509, on 26 December, you pass under the Helena Highway Bridge (661.7 AHP). What has been the average speed of the current since departing Memphis Harbor, McKellar Lake, if you have been making turns for 7.5 mph?	5.6 mph	4.4 mph	2.1 mph	1.8 mph	1/11/01	
5	2044	D	At 1000, on May 11th, you are passing Prince George Lt.(mile 364.1 AHP) in Natchez, Mississippi and must send an ETA to the Monsanto Terminal in St. Louis(mile 178.0 UMR). Your engines are still turning for 8.5 mph and you estimate the current at 2.5 mph	1919 on 15 May	2344 on 15 May	1113 on 16 May	1757 on 16 May	1/11/01	

5	2045	D	You are turning for 8.2 mph and estimate the current at 1.5 mph. What is your speed over the ground?	6.7	8.2	7.8	9.7	1/11/01	
5	2046	A	What is the distance from the Arkansas River mouth to the Ohio River mouth in river miles?	372 miles	422 miles	546 miles	594 miles	1/11/01	
5	2047	C	What is the distance to Caruthersville Gage from Cape Girardeau?	899.4 miles	793.4 miles	160.4 miles	54.4 miles	1/11/01	
5	2048	D	What is the minimum maintained depth of the channel from Cairo to Baton Rouge during low water?	18 feet	15 feet	12 feet	9 feet	1/11/01	
5	2127	D	On which river is Dover, KY located?	Mississippi	Tennessee	Missouri	Ohio	1/11/01	

5	2128	A	You are on map #13. What is the mile point of the facility known as Slay Warehousing, Inc.?	mile 174 UMR	mile 173 UMR	mile 172 UMR	mile 171 UMR	1/11/01	
5	2129	B	As you approach Ashland Light(mile 378.1 AHP) which daymark would you see?	Red diamond	Red triangle	Green square	Green diamond	1/11/01	
5	2130	B	On which map would you find Redman Point, Arkansas?	60	57	45	38	1/11/01	
5	2131	C	After passing Wilkinson Lt. you see a flashing amber light on the right descending bank ahead. The flashing light indicates that you should _____.	stay in the deepest water	slow down due to dredging operations	keep as close to the left descending bank as safety permits	keep as close to the right descending bank as safety permits	1/11/01	
5	2132	B	What is the width of the widest span of the Cairo Highway Bridge (Upper Mississippi River mile 1.3)?	800 feet	675 feet	625 feet	503 feet	1/11/01	

5	2133	D	As you approach Ashland Lower Light(mile 375.5 AHP), which type of daymark would you see on the light structure?	Green square	Green triangle	Red square	Red diamond	1/11/01	
5	2134	A	At 1814, on 11 September, you pass under the Greenville Highway Bridge(mile 531.3 AHP). What speed must you average to arrive at Jimmy Hawken Light(mile 663.5 AHP) at 0930 the following day?	8.7 mph	7.7 mph	6.3 mph	5.6 mph	1/11/01	
5	2136	C	You have orders to drop off the empties at the fleeting area at Cairo Point and add five loaded tank barges to your tow. If you are turning for 9 mph and estimate the current at 1.5 mph, what is your ETA at Cairo?	2210, 22 June	1741, 22 June	1423, 22 June	1031, 22 June	1/11/01	
5	2137	B	At 1132, 24 May, you pass Natchez Beam Lt.(364.8 AHP). What is your ETA off the Memphis Gage if you average 8.0 mph?	2345, 25 May	0947, 26 May	1525, 26 May	2215, 26 May	1/10/01	
5	2138	C	At 0921, on 24 May, you are abreast the St. Catherine Bar Lt.(mile 348.6 AHP). If you are turning for 10.0 mph, what was the current since departure?	3.4 mph	2.0 mph	1.7 mph	1.4 mph	1/10/01	

5	2139	A	Which light will you be passing at 0059, on 22 September, if you make good 9.2 knots?	Obion Bar Lt	Kate Aubrey Lt	Trotter Lt	Quaker Oats Lt	1/10/01	
5	2140	C	Which daymark should you see as you approach French Point Light(mile 915.4 AHP)?	Red diamond	Green square	Red triangle	Green diamond	1/10/01	
5	2141	A	As you approach Old River Control Structure Light you see a flashing amber light. You should _____.	navigate as close to the left descending bank as safety permits	navigate as close to the right descending bank as safety permits	turn into the inflow channel as the bypass is now open	slow your engine speed to not more than 5 mph	1/10/01	
5	2142	D	You are passing Eastwood Lt.(mile 849.3 AHP) and the map indicates that Bunge Grain facility would be located at the square with number _____.	2	4	6	8	1/10/01	
5	2143	A	You are turning for 7.5 mph and estimate the current at 3.0 mph. What is your ETA at the River Cement Co. in Natchez considering that you passed Cherokee Landing Lt. at 2100?	1605 on 15 January	0355 on 16 January	1244 on 16 January	1922 on 16 January	1/10/01	

5	2144	C	What light characteristics does Foster Light have?	1 green flash every 4 seconds	1 red flash every 4 seconds	2 white flashes every 5 seconds	2 red flashes every 5 seconds	1/10/01	
5	2145	D	After entering Milliken Bend(mile 455 AHP) you wish to locate the river service in Madison Parish, Louisiana. The river service is indicated by the square containing which number?	2	3	4	5	1/10/01	
5	2146	C	As you pass under the Vicksburg Bridges, you estimate the current as 3.0 mph. What is the speed over the ground, if your vessel is making turns for 10.5 mph?	7.5 mph	10.5 mph	13.5 mph	16.5 mph	1/10/01	
5	2147	B	If your vessel is making turns for 7.5 mph with an estimated average current of 1.5 mph, what is your ETA at the dock in Angelina, LA?	0516, 28 Dec	1621, 28 Dec	0516, 29 Dec	1621, 29 Dec	1/10/01	
5	2148	C	As you approach Ashland Lower Light(mile 375.5 AHP), which type of daymark would you see on the light structure?	Green square	Green triangle	Red diamond	Red square	1/10/01	

5	2149	D	At 1118, on 24 May, you pass Natchez Gage and estimate the current will average 3.0 mph for the remainder of the time on the Mississippi River. What is your ETA at Cairo, IL if you continue to turn for 10 mph?	0840, 26 May	2218, 26 May	2218, 27 May	2339, 27 May	1/10/01	
5	2150	B	As you pass under the Natchez-Vidalia Dual Bridge, the gage on the bridge reads 8.9 ft. If the highest point on your vessel is 54 ft. above the water, what is your vertical clearance?	60.0 feet	62.6 feet	67.2 feet	122.0 feet	1/10/01	
5	2184	D	What town is located at mile 389.8 AHP?	Whitehall	Belmont	St. James	Rodney	1/10/01	
5	2186	D	What organization has an installation at the uppermost end of Carthage Revetment?	City of Natchez (waterfront)	International Paper Co.	U.S. Army Corps of Engineers	U. S. Coast Guard	1/10/01	
5	2187	C	As you approach Giles Bend Cutoff Light (mile 367.7 LDB), what type of daymark would you see on the light structure?	Green diamond	Green triangle	Red diamond	Red square	1/10/01	

5	2188	C	What is the length of the trip?	405.8 miles	553.0 miles	904.0 miles	1136.8 miles	1/10/01	
5	2189	C	At 1000, on May 11th, you are passing Prince George Lt.(mile 364.1 AHP) in Natchez, Mississippi and must send an ETA to the Monsanto Terminal in St. Louis(mile 178.0 UMR). Your engines are still turning for 8.5 mph and you estimate the current at 2.5 mph	1919 on 15 May	2344 on 15 May	1757 on 16 May	2236 on 16 May	1/10/01	
5	2190	A	You are turning for 8.2 mph and estimate the current at 1.5 mph. What is your speed over the ground?	9.7	8.2	7.8	6.7	1/10/01	
5	2191	C	On which river is Dover, KY located?	Mississippi	Tennessee	Ohio	Missouri	1/10/01	
5	2192	B	You are turning for 6.8 mph and estimate the current at 1.0 mph. What is your speed over the ground?	6.8 mph	7.8 mph	8.8 mph	9.4 mph	1/10/01	

5	2193	A	Which daymark will you see as you approach Natchez Beam Lt. (mile 364.8 AHP)?	Red triangle	White square	Green square	Red diamond	1/10/01	
5	2194	B	What is the distance from the River Cement Co. Dock to the mouth of the Ohio River?	718.8 miles	780.8 miles	953.5 miles	981.5 miles	1/11/01	
5	2195	A	What is the distance from the Amoco Docks at Baton Rouge, LA, to Pittsburgh, PA?	1681.7 miles	1575.3 miles	981.7 miles	727.9 miles	1/11/01	
5	2196	A	If your vessel is making turns for 7.5 mph with an estimated average current of 1.5 mph, what is your ETA at the dock in Angelina, LA?	1621, 28 Dec	2203, 28 Dec	0516, 29 Dec	1621, 29 Dec	1/11/01	
5	2197	C	You have passed Ben Burman Lt.(mile 235.0 AHP) and see on the map a dark purplish area extending past Bayou Baton Rouge. This indicates a _____.	revetment	dredge material	fleeting area	dike	1/11/01	

5	2198	C	You estimate the current as 2.5 mph. What is the speed over the ground?	11.0 mph	8.0 mph	6.0 mph	5.5 mph	1/11/01	
5	2199	A	After passing Oak Bend Lt.(mile 425.6 AHP) you see a light grey shaded area extending into the river shown on the map. This indicates a _____.	revetment	weir	dike	fleeting area	1/11/01	
5	2200	D	Which dayboard would you see on Putney Light(mile 943.6 AHP)?	Green square	Green triangle	Red triangle	Red diamond	1/11/01	
5	2249	C	What are the dimensions of the Old River Lock?	110ft x 1190ft	100ft x 990ft	75ft x 1190ft	75ft x 1000ft	1/11/01	
5	2250	A	What is the distance from the Memphis gage to the Gold Bond Building Products Wharf in New Orleans, LA.?	633 miles	588 miles	503 miles	460 miles	1/11/01	

5	2251	C	If the highest point on your towboat is 52 feet and the West Memphis gage reads 26 feet what is the vertical clearance when you pass under the Hernando Desoto Bridge (736.6 AHP)?	56.7 feet	42.6 feet	30.7 feet	25.8 feet	1/11/01	
5	2252	D	Which daymark would you see at Shields Bar Lt.(mile 882.2 AHP)?	Red triangle	Green triangle	Green square	Red diamond	1/11/01	
5	2253	B	You are turning for 7.5 mph and estimate the current at 3.0 mph. What is your ETA at the River Cement Co. in Natchez considering that you passed Cherokee Landing Lt. at 2100?	1243 on 15 January	1605 on 15 January	1244 on 16 January	1922 on 16 January	1/11/01	
5	2254	A	After entering Milliken Bend(mile 455 AHP) you wish to locate the river service in Madison Parish, Louisiana. The river service is indicated by the square containing which number?	5	4	3	2	1/11/01	
5	2255	D	At 0645, on the 17th of April, you pass Hole in the Wall Lt(mile 373.4 AHP). What has been your average speed since departing the Exxon Refinery?	8.8 mph	7.3 mph	6.8 mph	6.3 mph	1/11/01	

5	2256	B	Which of the following statements regarding buoys on the Mississippi River is TRUE?	Buoy positions on the chart are exact.	Buoys should be given as wide a berth as possible in passing.	The buoys are maintained on station year round.	The buoys do not shift positions due to permanent moorings.	1/11/01	
5	2257	D	The highest point on your towboat is 67 feet above the water, and the Helena Gage reads +22.3 feet. What is the vertical clearance when you pass under the A-span of the Helena Highway Bridge?	74.7 feet	52.4 feet	49.8 feet	30.1 feet	1/11/01	
5	2258	B	If the highest point of your towboat is 54 feet above the water and the Natchez Gage reads 24.8 feet, what will be your vertical clearance when passing under the Natchez-Vidalia westbound Highway Bridge?	35.9 feet	46.7 feet	49.6 feet	57.5 feet	1/11/01	
5	2259	D	What is the distance from Greenville, MS, to Oquawka, IL on the Mississippi River System?	537 miles	597 miles	733 miles	832 miles	1/11/01	
5	2260	D	What company does NOT have a marine facility along the river bank in Madison Parish(mile 457.0 AHP)?	Complex Chemical Co.	Delta Southern Railroads	Scott Petroleum	Baxter Wilson Steamplant	1/11/01	

5	2261	C	What are the dimensions of the Port Allen Lock at Baton Rouge, LA?	75 feet x 1188 feet	84 feet x 1180feet	84 feet x 1188 feet	75 feet x 1180 feet	1/11/01	
5	2262	A	At 1019, on 10 March, you pass under the Greenville Bridge (mile 531.3 AHP). What was your average speed since departing River Cement Co. Dock?	7.2 mph	6.8 mph	6.5 mph	6.2 mph	1/11/01	
5	2263	D	Which of the following statements concerning the buoys on the Mississippi River is TRUE?	The position of river buoys can be determined by consulting the latest Light List - Vol. V.	A preferred channel mark is a lateral mark indicating a channel junction which must always be	Bouys should be passed as close as possible.	Setting a buoy is the act of placing a buoy on assigned position in the water.	1/11/01	
5	2264	D	What is the length of the trip?	1195.4 miles	1223.1 miles	1464.8 miles	1520.1 miles	1/10/01	
5	2265	C	If the Bayou Sara gage reads -0.5 feet, what is the water level in relation to the low water reference plane?	3.55 foot below the plane	5.75 foot above the plane	5.75 feet above the plane	5.25 feet below the plane	1/10/01	

5	2266	A	Where would you find out which buoys, if any, are in place at Concordia Bar crossing (mile 596.0 AHP)?	Channel Report	Bulletin board at the Rosedale gage	Waterways Journal	None of the above	1/10/01	
5	2267	D	At 2142, on January 3, you pass Sebastapol Light (mile 283.3 AHP). At 0137, January 4, you pass Fort Adams Light(311.4 AHP). You have been turning for 9.0 mph. What was the current?	4.2 mph	3.3 mph	2.7 mph	1.8 mph	1/10/01	
5	2268	A	What is the minimum maintained depth of the channel from Cairo to Baton Rouge during low water?	9 feet	12 feet	15 feet	18 feet	1/10/01	
5	2269	C	Which dayboard would you see on Putney Light(mile 943.6 AHP)	Green square	Green triangle	Red diamond	Red triangle	1/10/01	
5	2270	B	At Filter Point Light(mile 475 AHP) there are 3 close straight dashed lines on the map passing through the black dot below the number 475. What do these lines represent?	Submerged oil pipelines	Submerged telephone cables	Submerged gas pipelines	Aerial power cables	1/10/01	

5	2271	B	From Baton Rouge to Cairo, what is the maintained minimum channel depth during low water?	6 feet	9 feet	12 feet	30 feet	1/10/01	
5	2273	B	What is indicated by the two light grey shaded areas that cross the river above False River Lt.(mile 251.0 AHP).	Ferry crossings	Utility crossings	Aerial cable crossings	Bridge construction	1/10/01	
5	2293	A	What daymark should you see as you approach Lobdell Light (mile 238.1 AHP)?	Green diamond	Green square	Green triangle	Red square	1/10/01	
5	2294	A	In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?	U.S.C.G. Notice to Mariners Channel Report	U.S.C.G. Light List	C of E Navigation Chart	List of Buoys and Daymarks	1/10/01	
5	2295	D	As you approach Dean Island Light (mile 755.7 AHP), which type of daymark will be observed at the light?	Green triangle	Red and green banded square	Green square daymark	Diamond-shaped green daymark	1/10/01	

5	2367	C	You are upbound approaching Springfield Lt. (mile 245.6 AHP) downriver from Profit Island. Which of the following statements is TRUE?	Profit Island Chute is open to navigation and is a shortcut for single-barge tows.	Tow length must not exceed 600 feet to use Profit Island Chute.	Profit Island Chute is closed to navigation.	Tows must navigate towards left ascending bank when passing Profit Island Chute.	1/10/01	
5	2368	B	You are upbound approaching Springfield Lt. (mile 245.6 AHP) downriver from Profit Island. Which of the following statements is TRUE?	Profit Island Chute is open to navigation and is a shortcut for single-barge tows.	Profit Island Chute is closed to navigation.	Tow length must not exceed 600 feet to use Profit Island Chute.	Tows must navigate towards left ascending bank when passing Profit Island Chute.	1/10/01	
5	2369	B	What is the vertical clearance of the Vicksburg Highway 80 Bridge when the river level is the same as the Low Water Reference Plane?	108.3 ft	116.1 ft	119.5 ft	125.6 ft	1/10/01	
5	2428	A	As you approach Cottonwood Chute Light (mile 530.5 AHP), which type of daymark would you see on the light structure?	Red diamond	Red triangle	Green square	Green diamond	1/10/01	
5	2429	D	The highest point on your towboat is 53 feet above the water, and the Helena gage (mile 663 AHP) reads 6.7 feet. What is the vertical clearance when you pass under the B-span of the Helena Highway Bridge in Helena?	65.5 feet	64.1 feet	62.6 feet	59.7 feet	1/10/01	

5	2431	B	The latest available information on the channel conditions above Baton Rouge that includes recommended course and the latest buoy information is found in the _____.	Waterways Journal	Channel Report	Sailing Directions	Corps of Engineers maps	1/10/01	
5	2443	B	Which of the following statements regarding aids to navigation shown in the Corps of Engineers map book is TRUE?	The U.S. Army Corp. of Engineers is responsible for placing and maintaining all aids to	Buoys should always be given as wide a berth in passing as possible.	Buoy positions as shown on the chart are exact.	Lights and daymarks are always shown in their exact location.	1/10/01	
5	2444	B	What is the distance from Greenville, MS, to St. Louis, MO, on the Mississippi River System?	566 miles	597 miles	733 miles	832 miles	1/10/01	
5	2445	D	You are in charge of a vessel that damages an aid to navigation established and maintained by the United States. Which statement is TRUE?	You must take the aid in tow and deliver it to the nearest Coast Guard, Marine Safety Office.	You must report the allision to the nearest Corp. of Engineers Office.	You may wait until you reach your destination before reporting the allision to the U.S. Coast Guard.	You must report the accident to the nearest Officer in Charge, Marine Inspection.	1/10/01	
5	2446	B	What are the dimensions of Old River Lock, on the Lower Mississippi River?	1202 feet x 84 feet	1185 feet x 75 feet	760 feet x 75 feet	425 feet x 75 feet	1/10/01	

5	2447	A	The Red River Landing gage reads 5.2 feet. Which of the following statements is TRUE?	River level is below the Low Water Reference Plane.	The depth over revetment at Old River is 25.2 ft.	The depth over Old River Lock sill is greater than 11 ft.	This gage reading is at a higher elevation than the same reading on the gage at Head of Passes.	1/10/01	
5	2448	C	At 1723 you increase speed to make good 9.2 mph. At 1937 you have a daymark on your port beam. What daymark is this?	Tiptonville Ferry Landing Daymark	Tiptonville Light	Merriwether Bend Light and Daymark	Alaska Light and Daymark	1/10/01	
5	2449	C	You have orders to drop off the empties at the fleeting area in Cairo and add five loaded barges to your tow. If you are turning for 8 mph and estimate the current at 0.5 mph, what is your ETA at Cairo?	2352, 10 Aug	1327, 11 Aug	1614, 11 Aug	1928, 11 Aug	1/10/01	
5	2450	C	Your engine speed is 9.8 mph and you estimate the current at 1.2 mph. What is your speed over the ground?	11.0 mph	9.8 mph	8.6 mph	8.2 mph	1/10/01	
5	2451	D	What is the length of the trip?	720.8 miles	777.4 miles	878.9 miles	897.2 miles	1/10/01	

5	2501	A	A plotting sheet should be used to plot the radiobeacons and solve the following problem. On a voyage along the east coast of South America your 1200 DR position is LAT 30°00.0' S, LONG 48°24.0' W. You are on a course of 044° T; speed 11.0 knots.	LAT 29°49.5' S, LONG 48°13.0' W	LAT 29°51.7' S, LONG 48°16.2' W	LAT 29°53.8' S, LONG 48°10.2' W	LAT 29°55.1' S, LONG 48°13.1' W	1/22/01	
5	2521	A	What is the length of the trip?	1088.0 miles	1332.2 miles	1334.6 miles	1566.4 miles	1/10/01	
5	2531	D	What is the distance from Cairo Point, Ill, to Arkansas City?	28 miles	110 miles	292 miles	400 miles	1/10/01	
5	2532	A	You estimate the current at 3.0 mph. What is the speed over the ground?	3.5 mph	4.5 mph	7.5 mph	9.5 mph	1/10/01	
5	2533	A	At 2342, on 25 August, you pass under the Helena Highway Bridge (661.7 AHP). What has been the average speed of the current since departing Memphis Harbor, McKellar Lake, if you have been making turns for 9 mph?	1.8 mph	2.1 mph	4.4 mph	5.6 mph	1/10/01	

5	2534	C	What daymark will you see as you approach Warnicott Bar Lt. (mile 351.3 AHP)?	Red diamond	Red triangle	Green square	White square	1/10/01	
5	2535	C	The Greenville gage reads 10.6 feet. The high point of your towboat is 54 feet above water. What is the vertical clearance as you pass under the Greenville Highway Bridge?	44.4 feet	54.2 feet	65.5 feet	75.4 feet	1/10/01	
5	2536	D	If the gage at the Greenville Highway Bridge reads 10.8 feet, what is the water level in relation to the low water reference plane (LWRP)?	22.1 feet below the LWRP	10.8 feet below the LWRP	10.8 feet above the LWRP	0.5 feet below the LWRP	1/10/01	
5	2577	A	On 23 July, you take a time tick using the 0900 GMT Capetown broadcast. You hear a repeating series of 59 dots followed by a dash. At the beginning of the fifth dash you start your stopwatch. The chronometer reads 08h 39m 16s at the time the stopw	00m 02s losing	01m 02s gaining	22m 24s losing	22m 26s slow	3/21/01	
5	2579	C	The blue colored inlet below Grand Gulf Island Light (404.9 AHP) is a _____.	reservoir	fish hatchery	turning basin	dry dock	1/10/01	

5	2580	B	What is your ETA at the Memphis - Arkansas Highway Bridge?	0828, 22 Sept	1052, 22 Sept	1405, 22 Sept	1813, 22 Sept	1/10/01	
5	2581	C	As you approach French Point Light (mile 915.4 AHP), you see 2 daymarks on the structure. What significance do the daymarks have?	They indicate the port side of the channel from seaward and a range marking.	They indicate the starboard side of the channel from seaward and midchannel fairway.	They indicate the starboard side of the channel from seaward and a channel crossing.	They indicate the port side of the channel and a channel crossing.	1/10/01	
5	2709	D	What is the total length of the trip?	910.6 miles	901.4 miles	900.7 miles	873.7 miles	1/10/01	
5	2711	B	Which of the following statements regarding buoys on the Mississippi River is TRUE?	The positions of river buoys can be found in the latest edition of Light List-Vol. V.	Buoy positions of the chart are approximate.	The buoys are maintained on station year round.	The buoys do not shift positions due to permanent moorings.	1/10/01	
5	2712	B	What is your ETA at the Helena Highway Bridge?	1344, 24 Sept	1109, 24 Sept	0926, 24 Sept	0458, 24 Sept	1/10/01	

5	2714	A	What company does NOT have a marine facility along the river bank in Helena (mile 658 to 665 AHP)?	Helena Grain Co.	Helena Terminal and Warehouse Co., Inc.	Riceland Food Corp.	Texas Eastern Pipeline Co.	1/10/01	
5	2715	A	As you approach Shreves cut-off you see Red River Landing Gage (302.4 AHP) which reads 6.2 feet. Which of the following statements is TRUE?	This reading is at the same elevation as the 6.2 ft. mark on the gage at Head of Passes.	This reading is 6.2 ft. above the Low Water Reference Plane.	The depth of water at Red River Landing is 6.2 ft.	A vessel drawing 7 ft. would be able to pass through the locks at Lower Old River.	1/10/01	
5	2720	A	The highest point on your towboat is 53 feet above the water, and the Helena gage (mile 663 AHP) reads 6.7 feet. What is the vertical clearance when you pass under the B-span of the Helena Highway Bridge in Helena?	59.9 feet	62.5 feet	64.1 feet	65.5 feet	1/10/01	
5	2721	C	The highest point on your towboat is 52 feet above the water, and the Helena Gage reads +9.6 feet. What is the vertical clearance when you pass under the A-span of the Helena Highway Bridge?	49.8 feet	53.9 feet	58.0 feet	73.1 feet	1/10/01	
5	2780	A	What is the mile point of the Arkansas City gage?	554.2 AHP	556.8 AHP	560.0 AHP	562.8 AHP	1/10/01	

5	2786	C	As you pass under the Natchez-Vidalia Dual Bridge, the gage on the bridge reads -3.6. If the highest point on your vessel is 62 ft. above the water, what is your vertical clearance?	60.0 feet	63.6 feet	67.2 feet	122.0 feet	1/10/01	
5	2787	D	If the Rosedale gage reads -0.5 feet, what is the water level in relation to the low water reference plane?	0.5 foot below the plane	0.5 foot above the plane	2.5 feet above the plane	3.5 feet below the plane	1/10/01	
5	2788	B	Which of the following statements concerning the buoys on the Mississippi River is TRUE?	The buoys are maintained on station year round.	Buoy locations may be changed to indicate the channel for the existing river stage.	Buoys have permanent moorings on the river bottom and will not shift position.	The position of river buoys can be determined by consulting the latest Light List - Vol. V.	1/10/01	
5	2856	D	Your vessel is on a course of 034° T at 17 knots. At 0551 a light bears 056.5° T, and at 0623 the light bears 079° T. At what time and at what distance off will your vessel be when abeam of the light?	0636, 5.9 miles	0646, 5.9 miles	0636, 6.4 miles	0646, 6.4 miles	11/7/00	
5	2887	B	Your vessel is steering 283° T at 10 knots. At 0538 a light bears 350° T, and at 0552 the same light bears 002° T. What will be your distance off abeam?	9.6 miles	10.3 miles	10.7 miles	11.3 miles	11/7/00	

5	2911	C	The charts show two dashed lines crossing the river just south of St. Catherine Bar Light. What does this indicate?	Overhead power lines	Louisiana-Mississippi ferry crossings	Two submerged oil pipelines	Two railroad trestles	1/10/01	
5	2913	B	Your engine speed is 9.8 mph and you estimate the current at 1.2 mph. What is your speed over the ground?	8.2 mph	8.6 mph	9.8 mph	11.0 mph	1/10/01	
5	2914	D	The Clinch River empties into which river?	Arkansas	Mississippi	Ohio	Tennessee	1/10/01	
5	3113	A	You are turning for 7.8 mph and estimate the current at 1.0 mph. What is your speed over the ground?	8.8 mph	7.9 mph	7.8 mph	6.8 mph	1/10/01	
5	3114	D	The Natchez gage reads 8.6 feet. The high point on your towboat is 38 feet above water. What is the vertical clearance when you pass under the Natchez Highway Bridge?	59.1 feet	65.2 feet	71.3 feet	79.0 feet	1/10/01	

5	3315	D	What daymark should you see as you approach Parker Landing Light (mile 924.6 AHP)?	Green square	Green triangle	Red and green rectangle	Green diamond	1/10/01	
5	3320	D	The charts show a circle with two red quadrants located at mile 846.0 AHP. What does this indicate?	Hazardous chemical dock	Bulletin Board	Betz-Tipton Veneers Terminal	River gage	1/10/01	
5	3321	C	You pass Red River Gage at 2015 on 16 April and estimate the current will average 3.5 mph for the remainder of the time on the Mississippi River. What is your ETA at the mouth of the Ohio River if you continue to turn for 10 mph?	1445, 20 April	1830, 20 April	0028, 21 April	0821, 21 April	1/10/01	
5	4018	B	You are passing the Memphis gage at 0405, 18 March. If you are turning for 8 mph and estimate the current at 0.9 mph, what is your ETA at Cairo Point, Ill (954.5 AHP)?	0447, 19 Mar	1052, 19 Mar	1518, 19 Mar	1808, 19 Mar	1/10/01	
5	6144	C	At 1042, on 16 March, you are passing the Vicksburg gage (mile 437.0 AHP). What has been the average current since 0630, 15 March, if you have been making turns for 8.0 mph?	0.2 mph	0.5 mph	0.8 mph	1.2 mph	1/10/01	

5	6145	D	What are the dimensions of the channel maintained at Baton Rouge, LA?	30 feet x 300 feet	40 feet x 300 feet	30 feet x 500 feet	40 feet x 500 feet	1/10/01	
5	10308	D	You are 3 miles due east of Montauk Point Light. What is the course per standard magnetic compass to a position 1.5 miles due east of Watch Hill Point Light?	017ø psc	013ø psc	010ø psc	006ø psc	9/1/00	
5	11015	A	If the gage at the Greenville Highway Bridge reads 10.8 feet, what is the water level in relation to the low water reference plane (LWRP)?	0.5 feet below the LWRP	10.8 feet below the LWRP	10.8 feet above the LWRP	22.1 feet above the LWRP	1/10/01	
5	13489	A	The Memphis gage reads 18.4 feet. The high point of your towboat is 48 feet above water. What is the vertical clearance as you pass under the Memphis Highway Bridge?	46.4 feet	53.8 feet	66.4 feet	75.4 feet	1/10/01	
5	13502	D	The four soundings in the vicinity of LAT 41ø12.2' N, LONG 71ø33.0' W, that are underlined with a bracket indicate _____.	that no bottom was found at the sounding depth indicated	a submerged rock not dangerous to surface navigation	the height a rock uncovers at low water springs	a submerged danger that is cleared to the indicated depth by a wire drag	10/30/00	

5	14537	C	At 1118, on 24 May, you pass Natchez Gage and estimate the current will average 3.0 mph for the remainder of the time on the Mississippi River. What is your ETA at Cairo, IL if you continue to turn for 10 mph?	0840, 26 May	2218, 26 May	2339, 27 May	0339, 28 May	1/11/01	
5	15066	B	If you correct for the current in question 15 (035ø T at 0.5 knot) and maintain an engine speed of 7.5 knots, what is your ETA 0.5 mile south of buoy W"?"	1016	1021	1026	1030	2/5/01	
5	15130	B	What does the green diamond with the letters SD" indicate just						
5	15244	A	At the time of your 1245 position, which statement is TRUE?	Your fathometer should indicate a reading of approximately 47 feet.	Bradford Reef is 5.7 miles on the starboard bow.	You are in a danger area.	You must follow the International Rules of the Road.	1/22/01	
5	15542	D	At 2214 you receive a Securite" call requesting you to						

5	15868	D	Stratford Shoal Middle Ground Light is _____.	13 foot high	a fixed white light	shown from a white tower	equipped with a HORN	4/18/00	
5	15958	C	Your 1752 position is _____.	less than 0.2 mile to the west of York Spit Channel	less than 0.2 mile to the east of York Spit Channel	more than 0.2 mile to the west of York Spit Channel	more than 0.2 mile to the east of York Spit Channel	4/19/00	
5	16455	B	What is the distance in river miles, from the new mouth of the White River to the RR and Hwy bridge at Baton Rouge, LA?	358 miles	365 miles	370 miles	384 miles	1/10/01	
5	16614	A	Branford reef is _____.	completely submerged at all stages of the tide	a hard sand shoal	surrounded by rocks awash at low water spring tides	a small, low, sandy islet surrounded by shoal water	8/30/00	
5	16840	B	Visibility is exceptionally clear. At approximately what distance did Chesapeake Light become visible?	19.2 miles	21.0 miles	22.7 miles	24.0 miles	8/14/00	